Outlines of the Balkan Plan: A Fragile Basis for Peace

By Roger Cohen
New York Times Service

WASHINGTON - The Croats have what they want. The Serbs are exhausted. The Muslims see no better option. That, four years after the wars of Yugoslavia's destruction began, is the basis on which the United States was able to announce the outlines of a road to Balkan peace.

It is a grim and perhaps fragile hasis for a settle-ment. America took the lead in pushing for peace only after about 3 million people had lost their

homes and more than 200,000 had been killed. The result is a deep reservoir of bitterness, particularly among Bosnian Muslims, that could easily trigger renewed fighting.

This legacy, with hordes of refugees, may weigh

NEWS ANALYSIS

on the area for years. But for now, it is clear that exhaustion and a rough balance of power in the area, combined with the bullying ingenuity of Richard C. Holhrooke, the chief U.S. negotiator, made peace a real possibility.

the last four years, negotiation has never caused a square foot of Bosnian land to change hands: That

has been done by force alone.

"I don't think it's in the bag," said a senior State
Department official. "There are very tough issues to
deal with on the map, especially the fate of Sarajevo. But there's never been an opportunity like this one." years have created that opportunity. The Croats are now largely satisfied. They have recovered all but 3

Radical changes on the ground in the last three

There is still a long way to go. The central issue that has defeated all previous attempts at mediation—the division of territory—remains unresolved. In the re-election of President Franjo Tudiman this

> The Serbs, meanwhile, have suffered serious military setbacks, losing the Krajina area of Croatia and seeing their share of Bosnia dwindle to about 49 percent from close to 70 percent. The ability they long enjoyed to dictate terms has also evaporated.
>
> This reverse has been rooted in the decision of

See TRUCE, Page 4

Clinton Defends Foreign Policy He Asks for Support On Troops in Bosnia

By Todd S. Purdum
New York Times Service

WASHINGTON - In a sweeping defense of his administration's foreign-policy record, President Bill Clinton on Friday denounced what he called an "isolationist hacklash" ahroad in the nation, appealed for public support to send United States troops to police a Bosnian peace accord and said American diplomacy "can only succeed if we continue to lead.'

In what the White House billed as a major speech. Mr. Clinton sought to tie together disparate administration efforts — from military intervention in Haiti and loans for Mexico to peace talks in Northern Ireland, the Middle East and the Balkans - to argue that they have borne fruit, even if many were initially unpopular.

The president also contended that his policies were not haphazard, as his critics have asserted, hut that the end of the Cold War had eliminated the organizing principle of more than four decades of

U.S. policy without providing a clear substitute.

As a result, he said, many Americans have been puzzled hy Washington's response to international hot spots, even as global problems like the environment, terrorism and drugs have made old distinc-tions between foreign and domestic policy almost

"To use the popular analogy of the present day, there seems to be no mainframe explanation for the PC world in which we're living," Mr. Clinton told a gathering of Freedom House, a nonpartisan groop that promotes international democracy, using the difference between large computers and the desktop variety to make his point.

"We have to drop the abstractions and dogma

President Clinton, speaking Friday in Washington, saying that the United States will take a major role in enforcing a Bosnia peace accord.

AGENDA

Andreotti Trial To Stay in Sicily

PALERMO, Sicily (AP) — A judge on Friday refused to take the trial of Giulio Andreotti out of the hands of Palermo prosecutors, dealing a set-back to the seven-time prime minister

who is accused of Mafia association.

Judge Francesco Ingargiola rejected a defense motion to have the case transferred to Rome, a move that very likely would have put off the trial for at least a year.

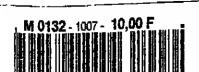
Prosecutors in Sicily have spent more than two years trying to put Mr. Andreotti on trial for alleged Mafia ties. They argued that a transfer from Palermo would remove the case from g expert Mafia investigators.

Page 3. THE AMERICAS Poverty Rate Falls in U.S.

INTERNATIONAL Pope Decries Social Policy Sports Pages 22, 23. Page 8. Crossword Page 23. Page 7. International Classified

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Under Heavy Fire, Juppé Acts to Defuse Housing Affair

PARIS - With his popularity ratings

and the French franc in a nosedive because of pressure on his government, Prime Minister Alain Juppe said Friday that he and his son would move out of apartments owned by the City of Paris following a damaging controversy over the conditions of their leases.

Mr. Juppe made the statement in an interview with France-Culture radio after justice sources disclosed that the Paris public prosecutor had opened a prelimi-nary investigation into whether he had broken the law hy taking the lease while he was the city's finance chief.

"My children have moved or are about to move in the coming weeks, and I will do the same to close an episode that has deeply wounded me," the prime minister

Mr. Juppe's legal problems combined with doubts over France's ability to cut public-sector deficits and concern about a one-day public service general strike next

their members Friday to join the walkout. To make matters worse, a terrorist bombing campaign resumed Friday despite hopes by a government that the terror network had been dismantled with the killing or capture of leading suspects last

Two opinion polls published Thursday showed the prime minister's popularity ple."

had slumped dramatically, apparently due to a mixture of the housing scandal and economic grievances.

The franc's sharp drop against the Deut-sche mark prompted the Bank of France to take emergency action to defend the beleaguered currency.

The move by the Bank of France, which came after sell-off of the franc caused the mark to soar above 3.52 francs during the day, from less than 3.47 francs on Thursday, was being described Friday by some economists as a prelude to an interest rate hike if the franc remains under siege.

While analysts cited several economic and political reasons for the franc's nosedive, they singled out the mounting uncer-

tainty over the future of Mr. Jupp A taxpayers' association has filed a civil lawsuit alleging that Mr. Juppé acted illegally hy cutting his son's rent and leasing an apartment himself, renovated at taxpayers' expense, at a time when he allegedly controlled the city's private housing do-

Tuesday to drag down the franc. Unions representing Air France workers called on of judicial investigation, will result in a decision either to pass the case on to an examining magistrate for eventual charges to be hrought, or to drop it.
"If the justice authorities consider there

is a case, it is up to them to say so and I will not lift a little finger to stop them in any way," Mr. Juppé said. "Let the legal proceedings take their course, it's that sim-

(Reuters, AP, AFP) A Paris trader pondering the franc's fall Friday. Page 13.

NATO Chief Said to Face Corruption Indictment

Parliament Is Asked To Charge Willy Claes, Belgian Media Report

Compiled by Our Staff From Dispatches BRUSSELS — Belgium's highest court has accused NATO's secretary-general. Willy Claes, of corruption in a bribery scandal and requested his indictment hy Parliament. Belgian media reported Friday.

day.

Television networks opened their evening newscasts by saying that the Cour de Cassation, in a report to a parliamentary commission, asked that Mr. Claes be charged with corruption. Such a move would renew the threat to his tenure as the chief of the 16-nation North Atlantic Treaty Organization.

BRIN radio first reported the charges, which it said are contained in a report prepared hy a public prosecutor at the Cour de Cassation, Belgium's top court. "The Cour de Cassation is asking Parlia-

ment to indict Claes," the radio station reported. "The public prosecutor is accusing Claes of corruption and forgery. Mr. Claes, at a meeting of NATO de-

fense ministers, in Williamsburg, Virginia, said: "I am totally innocent, I have never done anything wrong." He said that neither he nor his lawyer had received any details about the court's

report to Parliament, "I am confident in justice," Mr. Claes added. No one at Parliament, the court or NATO would comment on the report.

The scandal centers on charges that members of the Socialist Party took hribes in 1988 to approve a military contract. Mr. Claes was a minister in the Belgian government at the time. The parliamentary commission will meet again Tuesday to discuss

Last May, investigators questioned Mr. Claes for two days. He has denied any wrongdoing.

Investigators charge that in 1988 the Italian aircraft company Agusta paid 50 million Belgian francs (\$1.7 million) in bribes to obtain a 12 billion franc government defense contract. As economics minister at the time, Mr. Claes had a hand in approving the contract.

Critics of Mr. Claes have urged him to resign because the case was hurting NA-TO's credibility and damaging his ability

to lead the alliance. But throughout the scandal Mr. Claes has received firm official backing from the

16 NATO countries. Mr. Claes has acknowledged hearing party members mention the hribery offer,

but has said he warned them not to accept any money. The scandal has rocked Belgian politics for years. Four high-ranking Socialist poli-

ticians, including a foreign minister and a transport minister, have been forced to resign because of their involvement. The murder in 1991 of a leading Social-

ist politician and the suicide last March of a former chief of the air force have been linked to the scandal.

The newscasts did not give sources for their reports, but implied that the news had emerged after a special parliamentary commission began work on a request from the Cour de Cassation to continue its in-vestigation into the affair.

To back up the request, the prosecutor in charge of the case, Jacques Velu, sent his report to Parliament early in September. The lower house set up the commission to decide how to deal with the request and to advise Parliament.

BRTN radio said Parliament would have to vote on the prosecutor's request, but did not give a date.

In Belgium, politicians can only be in-

vestigated with the approval of Parlia-

The 11 commission members were allowed to read Mr. Velu's report for the first

0-95

Why 'Man' Climbed Down Out of Trees

New Research Finds Evidence of Crucial Cooling in East Africa

By Robert Lee Hotz Los Angeles Times Service

LOS ANGELES - Off the coast of Africa, a Columbia University expert has discovered the first detailed evidence of ancient changes in climate that, like an implacable hand of fate, may have spurred

human evolution. No one knows for certain what first forced humanity's remote apelike ancestors to forsake the trees they called home, why some prehuman species surpassed others, or why primitive human ancestors migrated out of their African homeland. There are, experts say, as many theories as

there are fossils. But the new research suggests that weather may be at the root of the human family tree.

An analysis of ocean sediments published Friday in the journal Science shows that in the last 3 million years the cradle of three times hy abrupt cycles of colder, drier climate. Each cycle of change coincided with the demise of some prehuman species and the development of those who became the forebears of modern humanity.

The finding by Peter deMenocal of Co-lumbia's Lamont-Doherty Earth Observatory is a "wonderful development" that buttresses a controversial theory of the intimate connection between the African climate and human origins, several experts

Frank Brown, dean of earth sciences at the University of Utah, called the discovery "tremendously important."

The core samples document dramatic climate changes in East and West Africa starting about 2.8 million years ago, when the human family tree apparently split into two branches. They show a second equally abrupt change about 1.7 million years ago, at the time that humanity's most immedi-

humankind in East Africa was rocked ate direct ancestor first appeared, according to fossil records.

A third shift was detected at about 1 million years ago, around the time when many experts believe that humanity's predecessors started to leave Africa.

"We can now place the fossil record of human development within the context of very detailed records of how African climate changed during the period of evolu-tion," Dr. deMenocal said.

The ehh and flow of massive ice sheets in North America and Europe most likely altered the long-term weather patterns in Africa, experts said. Researchers can measure those changes by analyzing concentrations of dust blown from the interior of the continent and settling in the depths of the Gulf of Aden and other ocean sites.

The northern ice sheets could have lowered sea surface temperatures around Africa dramatically, by as much as 20 degrees, and reduced rainfall by more than 30 per-

A Sea Change for Beijing? It Hints at Dropping Gas Field Claim

By Michael Richardson International Herald Tribune

SINGAPORE — Is Beijing really prepared to wind back its claim to sovereignty over virtually the whole of the South China Sea? The acid test could be a decision by the Chinese on whether to import natural gas, officials and business executives in the region say.

The Chinese have recently been making conciliatory gestures toward South-east Asia in an effort to take some of the heat out of the dispute with its neighbors over ownership of oil, natural gas and other valuable resources in the disputed waters.

Although these steps may be helpful in defusing conflict and building confidence, the acid test may be a decision on whether to import liquefied natural gas, or LNG, from Indonesia and Malaysia. Both countries are looking to China

— where domestic energy demand is rising faster than supply of either local oil or gas — as a future customer of major new gas projects they are developing in the South China Sea.

The catch is that the gas fields in

The catch is that the gas fields in question, which are being brought into production at a cost of over \$45 billion. fall within a huge maritime zone claimed by Beijing and marked as such on official Chinese maps.

If Beijing sanctioned any purchases of liquefied natural gas from either project, it would be tentemount to saying that it had relinquished, or never had, a claim to ownership of their gas fields. Petronas, Malaysia's national oil cor-

poration, has just entered into an agreement with subidiaries of three foreign oil companies to supply gas to a new LNG plant, the country's third, from

the Central Luconia area in the South See CHINA, Page 4

Troops in Bosnia **Clear Land Mines**

Their Action Paves Way For Cease-Fire Tuesday

By John Pomfret Washington Post Service

SARAJEVO, Bosnia-Herzegovina - Teams of from Bosnian Muslim, Croatian and Serbian soldiers farmed out through a suburb of Sarajevo on Friday to clear mines in what one UN official called a clear sign that a to turn the gas back on. cease-fire in Bosnia could take

effect Tuesday as planned. The soldiers are removing mines that surround several high-tension electrical lines damaged in recent fighting. Under terms of the agreement signed Thursday in Sarajevo, electricity and gas supplies must be restored to the city before a truce can begin.

The impending cease-fire in Bosnia is seen as the most serious one to date. Since fighting crupted here three and a half years ago, there have been dozens of truces, and each one has collapsed.

Now, however, the peace U.S. leadership, and the Serbs, instead of holding 72 percent of Bosnia, possess about half as a result of two weeks of NATO air strikes and a largely successful offensive by Muslims

UN officials had originally said that it would take up to two weeks to clear the mines and repair the line — one of two

But after pressure was brought by a U.S. envoy, Richard C, Holhrooke on Particular and the Particular and th ident Franjo Tudjman of Croatia, who backs Croatian forces near Sarajevo, Croats started clearing mines Friday morning.

Hours later, Serbian and

Bosnian Muslim soldiers ap- no force would be sent to Bosnia peared oo their neighboring territory and followed suit.

run by electrical pumps. Without power there is no water to NATO's commander in Euthe city other than that used for rope, said the American public from Arab cities and towns, emergencies.

Gas must also come to the city for a truce to begin.

That, however, depends As many as 25,000 U.S. more on Russia than it does on troops could be involved in a the Serbs. While Russia turned off the gas to Sarajevo several months ago at the request of the Bosnian government, it refused determined.

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to turn the gas back on when the Bosnian government asked it to because Russia claims Bosnia owes it \$100 million for gas supplies since the war began

Prime Minister Haris Silaidzic of Bosnia visited Moscow this week and secured a deal under which the Russians are expected

Russia Is Welcome Defense Secretary William J.

Perry said Friday that NATO was eager to include Russia in a military force to implement a Bosnia peace deal but will not give Moscow an equal com-mand role, The Associated Press reported from Williamsburg.

Mr. Perry said be would sound out the Russian defense minister, General Pavel S. Grachev, on the limits of

process has been revived under said at a news conference before the closing session of a two-day NATO defense ministers conference. "But there will be a red line over which we cannot

> That line, Mr. Perry said, is the requirement that command force in Bosnia be unified under NATO, oot shared with Russian generals.
> "We will not establish a dual

conference that the 'main condition" for Russian participatioo was its agreement to give NATO full control.

The alliance has agreed that until a final peace deal is signed. Peace negotiations are to begin Sarajevo's water system is later this month. General George Joulwan,

should understand that any military operatioo in Bosnia will be

peace force, although General Joulwan stressed that the exact makeup of the force is yet to be



Yitzhak Rabin gesturing during the Knesset's 15-hour debate over his government's autonomy pact with the PLO.

Mioscow's flexibility at a meeting Sunday in Geneva. "We will be as flexible and creative as possible," Mr. Perry said at a proper said at a

By Barton Gellman Washington Post Service

JERUSALEM - Prime Minister Yitzhak Rabin won a narrow victory on Friday over opposicon parliamentary peace implementation forces in a vote of confidence on his government and its week-old West Bank accord with the Palestinians.

Mr. Rabin's precarious coalitioo mustered 61 votes in the 120-seat Knesset, or legislature, early Friday after a tumultuous 15-hour debate.

The accord signed Sept. 28 between Israel and the Palestine Liberatioo Organization needs oo ratification under Israeli law. But in practice, a defeat would probably have led to early elections and thrown the agreement into doubt.

The agreement, which calls for Palestinian elections and the withdrawal of the Israeli Army makes no attempt to define final borders between the two peooles. In his parliamentary defense, Mr. Rabin gave the clearest picture to date of how he wants to redraw the West Bank's poliocal map.

Palestinians, he said, should run their lives "independent-

which is less than a state."

should come under Palestinian self-rule, he said, but be named several parts of the territory captured from Jordan in the 1967 Middle East War in which be said Israel should keep permanent control.

The first is East Jerusalem and a broad swath of West Bank land around it. United Jerusalem," Mr.

Rabin said, would include both the settlements of Maale Adumim to the east and Givat Zeev to the north — far exceeding even the much-expanded municipal boundaries of recent years — and would be the West Bank is God's patrimony minister "capital of Israel, under Israeli to Abraham and his descen-

Israel's "security border," he said, would be the Jordan Valley, "in the broadest meaning of that term.

Officials said he meant that the Israeli Army would retain substantial forces and freedom of movement there, whatever the political complexion of the

The prime minister also said he would want to establish 'blocs of settlements" in the West Bank, such as the one Gaza Strip last year. That bloc, emment said Friday. known as Gush Katif, combined what had been isolated of land amounting to oearly one-fifth of Gaza.

demand is a Palestinian state encompassing all of the West Bank and Gaza, with East Jerusalem as its capital.

Mr. Rabin described the border changes as something which we envision and want," but he did oot call them

months, and in recent inter- to refrain from violence.

views, that his opposition to a dants, promised them in the hib-sovereign Palestinian state lical book of Genesis. Most of the West Bank might soften in the next round of talks.

It was that impression of softness that Binyamin Netanyahu, leader of the opposition Likud Party, attacked most strongly in parliamentary debate on Thursday.

Mr. Rabin, he said, addressing him directly, was turning Israel into "a small, threatened country whose security is de-pendent on the goodwill of

Mr. Netanyahu, known as a secular man in his private life. also pressed the religious-nationalist view said that all of the

Weizman Balks Presideot Ezer Weizman refused to pardon two Palestinian

women on Friday despite a pledge hy Israel that it would free all women prisoners as part of its latest peace accord with the PLO, The Associated Press reported from Jerusalem.

Mr. Weizman pardoned 12 women, hut said two wbo are serving sentences for murder would not be set free.

Palestinian officials re-sponded angrily. 'This is a violation of the agreement," said Freih Ahu Medein, the justice minister in Mr. Arafat's gov-

PLO and Hamas Meet On How to Co-Exist

The Associated Press GAZA CITY — The Muslim militant group Hamas has ten-tatively agreed to stop attacks on Israelis from PLO-ruled areas in the West Bank and Gaza Strip. drawn inside the self-ruled officials in Yasser Arafat's gov-

The pledge is part of a draft agreement betweeo Hamas and Jewish settlements into a chunk the Palestine Liberation Organization on the terms of the group's future political participation, PLO and police officials said oo conditioo of anonymity.

An Arafat adviser, Nabil Abu Irdeineh, confirmed that a draft had been worked out and that it contained the "basis for Hamas's co-existence with the self-rule government." He did oot discuss details of the draft and was evasive when asked He has been signaling for whether Hamas had promised

"This is the closest we have come to an agreement," said a Hamas source, speaking oo conditioo of anonymity.

member Hamas delegation has traveled to other Arab counties to get the draft approved by the Hamas leadership abroad. Hamas leaders ahroad have adopted a much harder line than

activists in the West Bank and Gaza, and it was oot clear wbether they would back a nooviolence pledge.

Even if an agreement is approved, Hamas might not be able

to control some of its people. Meanwhile, Ghosheh, a spokesman for Hamas in Jordan, denied Friday that a draft agreement had been reached. "Hamas stresses that resisting the occupation is a strategic goal," he said in Amman, Jordan.

Mr. Abu Irdeineh said a four-

schillings in 1995.

Eurostar Braces for French Strike

TRAVEL UPDATE

BRIEFLYEUROPE

Berlusconi Berates Investigators

MILAN — Italy's former prime minister, Silvio Berlusconi, accused investigators Friday of a "Stalinist" campaign against him - and a Milan magistrate summoned him for

quescioning about a film company purchase seven years ago.
Mr. Berlusconi said he was the target of a political hate

An official at Mr. Berlusconi's rightist Forza Italia party said the tycoon turned poliocian was asked by the Milan public prosecutor's office to appear before an investigating magistrate, Margherita Taddei, on Oct. 13.

Judge Taddei reportedly suspects that Mr. Berlusconi's

Fininvest group paid an artificially inflated price for a film company called Medusa in 1988. The difference between the

real price paid for Medusa and an allegedly inflated amount

written in Fininvest's balance sheet is thought to have been

Case Against Neo-Nazis Blocked

FULDA, Germany — A German court on Friday blocked prosecution of two neo-Nazi leaders for staging a rally in the

town of Fulda in 1993, ruling that the demonstration had been

our Hitler's deputy, Rudolf Hess, who killed himself in Spandau Prison in Berlin in August 1987. The anniversary of

his death has become a rallying point for extreme rightists.
Police drew fierce criocism for failing to stop the rally. But

the state court in Fulda threw out proposed charges against Chrisoan Worch and Dirk Winkel saying the rally had been registered with the city and had not been banned. (Reuters)

COPENHAGEN - Denmark's rightist Progress Party, one of Europe's oldest ano-tax protest parties, split into two parliamentary groupings on Friday after an internal struggle between moderates and hard-liners.

The party's former leader, Pia Kjaersgaard, who in the

1980s wrested leadership of the party from its founder.

Mogens Glistrup, said at a news conference that she was starting the Danish People's Party with three other Progress

Impasse in Austria Budget Talks

VIENNA — Austria's governing coalition has failed to agree on a budget for 1996 after almost two weeks of intensive

negotiations, Vice Chancellor Wolfgang Schüssel said Fri-

Social Democratic Party and his conservative People's Party,

Mr. Schüssel said the two sides had failed to narrow their

Speaking to reporters after five hours of talks between the

Chancellor Franz Vranitzky has been at loggerheads with

Mr. Schiissel for weeks over ways to cut the 1996 budget

deficit to 92.8 hillion schillings (\$9 hillion) from 102.3 billion

Labor Party Upbeat After Parley

BRIGHTON, England — The Labor Party wrapped up its annual conference on Friday, confident that it is finally

At the end of a week in which the party's moderate leader,

Tony Blair, strengthened his grip through a series of victories

over the party's socialist old guard, the deputy leader, Joh. Prescott, rallied delegates with a call to arms.

Mocking Prime Minister John Major's Conservatives, who trail Labor in polls by more than 20 percentage points, he said:

"John Major, stand aside. Go back to your constituency and

prepare for opposition. We're on our way."

heading back to government after 16 years in opposition.

day, pushing the government to the brink of collapse.

differences on how to cut the budget deficit.

A Split in Rightist Danish Party

More than 500 neo-Nazis marched through Fulda to hon-

channeled into an illicit slush fund.

properly registered with authorities.

campaign and hiased reporting by the news media.

PARIS (Combined Dispatches) - The Paris-London Eurostar rail link will cut back operations by one-third for a 36-hour period early next week because of heavy disturbances expected oo the French network as a result of strike actions, the French railroad SNCF said Friday. Unions representing Air France workers called on their members Friday to join the walkout.

Only seven trains in 10 will run from 8 P.M. Monday to 9 A.M. Wednesday because of the 24-hour strike called hy French railroad unions to protest a public sector pay freeze for 1996, the railroad said. The company did oot say whether a corresponding cutback in the London-Paris service would follow.

On the French network, one train in four is expected to run. The Paris Métro is also likely to be badly hit hy the widespread

Laker Launch Is Set for April 5

LONDON (Reuters) - The British entrepreneur Sir Freddie Laker, who revolutionized air traffic in the 1970s, said Friday that he had chosen April 5 as the launch date for a new service between Britain and the United States. "The first route will be Fort Lauderdale-London Gatwick," Mr.

Laker said in an interview from Fort Lauderdale, Florida. "To the U.K., we plan to operate once-daily, nonstop DC-10 flights - four, a week to Gatwick, two to Manchester and one to Glasgow."

He said the airline also planned to operate a minimum onceweekly flight from Fort Landerdale to Frankfurt, one or two a week to Berlin and perhaps one a week to Milan. Mr. Laker's cut-rair Skytrain service from Britain to the United States in the 1970s and. early '80s opened new vistas for millions of tourists.

British drivers were urged Friday to be nice to one another, as the Royal Automobile Cluh and the Polite Society joined together to sponsor a National Day of Courtesy. Surveys show that Britons, who normally value manners to the extreme in person, lose their veneer of gentility when they get behind the wheel of a car. Roadside messages urged motorists to drive safely. (Reuters)

A volcano in the Russian Far East crupted Friday, shooting up clouds of ash that threatened the safety of international flights. Bezymyanny, on the Kamcharka Peninsula, sent ash and gas as high as 10,000 meters (33,000 feet), the Interfax press agency

International aviation officials meeting in Montreal are considering a proposal for providing separate smoking cabins on passenger planes, officials said.

ACCESS NUMBERS COUNTRIES

Russia Pins Hopes On Role in Balkans Arafat, says that his minimum demand in a Palestinian create

By David Hoffman Washington Post Service

MOSCOW - After mooths of frustratioo and isolation from the Bosnian conflict, Russia is looking to participation in a Balkans peacekeeping force as an opportunity to re-establish its standing and perhaps set down a marker for future European security cooperation, Russian military officials and analysts said Friday.

Russia's participation in a topic on the agenda for Sunday's scheduled meeting in Geneva between Defense Minister Pavel S. Grachev and Defense Secretary William J. Perry.

The meeting, requested by President Boris N. Yeltsin, increasingly acrimonious rela-oons with the West, which climaxed with Moscow's denunciation of the bombing campaign against the Bosnian Serbs.

Although a multinational peacekeeping force in Bosnia would require months of prepa-ration, both Russian and Westem officials expressed opomism Friday that, if Russian participation is secured, it could mark a turning point on security issues, especially on the quesoon of Russia's future relation-

lowed by further discussions oo the peacekeeping force when President Bill Clintoo and Mr. Yeltsin meet later this month in Hyde Park, New York.

The major operational question about an international force irreducible demands. is who will command it. Russia refuses to be subordinate to the allilance, and vice versa. But diplomats here said that

the United States and its allies were looking at various "creative" compromises that they hope to propose to Moscow on multinational force is the chief the issue of command. They did not provide details. Likewise, Russian officials said it was oot known bow far Mr. Yeltsin was willing to bend.

Beyond that are questions about what Russia can contribute. Analysts said that, given comes in the wake of Russia's the upcoming parliamentary increasingly acrimonious relaliocal climate. Russians would be hypersensitive to any secondclass role in the Bosnian force.

They said is would be difficult for Mr. Yeltsin to accept a seemingly minor Russian parocipation — such as in logisocs or building bridges — as was suggested Thursday by some alliance officials during talks in Williamshurg, Virginia.
"The Russians will insist on

a combat role. They want to have leverage, not to be someship with NATO. where in the rear," said Victor They said that the talks in Geneva would probably be folU.S. Air Control Is Understaffed

By Matthew L. Wald New York Times Service

WASHINGTON - The air traffic control center that handles high-altitude flights over the New York area and much of the western Atlantic is so understaffed that controllers are plotting the locations of some planes with grease pencils on a map instead of on a computer screen because there are not enough controllers to run the computer, a Federal Aviation Administration report has found.

New communications equipment is in place, the internal report said, but the center cannot spare the controllers long enough to train them to use it. The report was prepared by four managers and two union representatives.

The study of the staffing levels at the center,

in Ronkonkoma, New York — one of 20 around the country — was commissioned at the order of the secretary of transportation in

April after a staff shortage led the agency to consider limiting air traffic through the area.

The associate administrator for air traffic services, Monte R. Belger, said his agency had

stepped up training since the report came out in June and was working with the union to plan for more training.

But there are two constraints, he said: a limited number of people who can do the training and limited equipment to train with. He has asked the union, be said, 'to show us where we can squeeze out additional training with the bodies that are available."

The underlying problem, he said, was that the agency had conducted several buyouts of management personnel last year and that their ranks had been filled by air traffic controllers, who were difficult to replace. Now, he said, the New York Center faced two simultaneous problems: completing the training of apprenoce controllers while also training "full- performance" controllers in the new system.

The report also said that another air traffic control center, in Westbury, New York, is also shorthanded and the level of staffing "appeared to be insufficient to maintain the level of efficiency and effectiveness which the facility has enjoyed since August 1994." Loss of efficiency would mean longer air traffic delays.



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Some in U.S. Gain **Against Poverty** Blacks Make Progress

By Barbara Vobejda Washington Post Service

WASHINGTON — The number of Americans living in the maldistribution of econompoverty dropped by 1.2 million ic progress," said Henry last year, the first decline since Aaron, an economist at the 1989 and a trend led by increased earnings among blacks, particularly married couples, according to a Census Bureau

the first time in a decade that both the rate and the oumber of poor dropped.

a mixed picture, where minori- poverty figures were good ties and children remain disadvantaged, but economic improvements have helped some Americans climb the income still higher than other age idder, especially those in families with married couples.

Black households were the only race or ethnic group to ernment's largest survey of have their real median incomes economic conditions, also increase, seeing a rise of 5 per-cent, to \$21,027. Poverty for a family of four is defined by an income of \$15,141.

and the finish page

Arra Bulgall

Contact

But even as the status of some poor Americans improved, the proportion living below the poverty line remained much higher than it was in the late 1960s and '70s. And

those at the top of the economic scale had made much-greater gains than those at the bottom. "It tells a sorry story about

Brookings Institution. "The rewards paid to people who have skills valued in the economy have been skyrocketing, while those who bring simply hard The rate of poverty also fell, to 14.5 percent from 15.1 percent between 1993 and 1994, for a quarter of a century, and many have suffered."

But Mr. Aaron and other an-Overall, the report provided alysts agreed that the falling news, as were the improvemeots for blacks. Also, poverty rates among children, although groups, declined to 21.8 percent from 22.7 percent.

The annual report, the govfound that median household income, after being adjusted for inflation, had remained virtually flat at \$32,264 and had yet to recover from the recession of the early 1990s.

Among racial and ethnic cat-egories, black people generally made stronger gains, although their poverty rates remain much the report underscored that higher than those for whites.



Hurricane-battered houses on a beach near Panama City, Florida, after the storm blew past the Panhandle,

After Storm, Floods Threaten Florida

The Associated Press PANAMA CITY BEACH, Florida -

Panhandle residents still cleaning up from empty into the Gulf of Mexico. the ravages of the burricane designated Opal awoke Friday to a new threat: flooding from storm-swollen rivers.

The heavy rains that the hurricane brought to Alabama and Georgia were

We're downstream from everything,"

state Emergency Operations Center.

swell, forcing evacuations late Thursday handle oo Wednesday with winds up to 144 assess damage.

and Friday along the Blackwater and Yel-low rivers east of Pensacola. Both rivers caused an estimated \$1.8 billion in damage to insured property along the Gulf.

Thousands of frustrated, angry and tired said Jo Miglino, a spokeswoman for the beachfront residents who had fled to Alabama and Georgia began returning home. Floods were the latest damage from the But many returned only to find that the hurricane, which killed at least 17 people in authorities had sealed off the hardest-hit causing rivers downstream in Florida to four states after slamming into the Pan- areas to forestall looting, repair roads and

Away From Politics

· Winds died down dramatically in Inverness. California, and fire fighters made headway at saving the town from a wildfire that has • Oklahoma Natural Gas Co. sued Thursday charred 11,100 acres of Northern California's for the rights to a famous photograph of the most scenic shoreline. About 2,000 fire fighters set backfires to starve the fire that has threatened Inverness, an artist colony and tourist town of about 1,000 residents 30 miles (48 kilometers) oorth of San Francisco. (AP)

 Two men were charged in the beating death in Charleston, West Virginia, of Everette Knapper, 55, an assistant principal who was found dead in his bedroom on Wednesday. Richard Larry Lawson, 24, and Frank Edward West, 28, were charged Thursday with first-

A magnitude 6.4 earthquake in Alaska, was a victim of mob retaliation.

centered 40 miles oorthwest of Fairbanks, knocked books off shelves and briefly disrupted phone service Thursday, but there were no reports of injuries or major damage. (AP)

ployee whom the company has since fired. The suit argues that Lester LaRue, a former safety coordinator, was on company time and using company equipment when be took the photograph of a fire fighter carrying the limp body of a year-old baby, Baylee Almon. (AP)

 A construction contractor in Philadelphia was shot and killed in his car Thursday, bours before his brother — a hit man turned informant - was to testify against the reputed boss of the Philadelphia mob. The police said they did oot think that William Veasey, 35,

Clue to Alzheimer's Is Confirmed

WASHINGTON - Researchers have confirmed a correlation between Alzheimer's disease and high spinal-fluid levels of a certain protein. The discovery, they say, is a tool for early diagnosis and may even-

tually lead to a treatment. "We're on the cusp of baving something, and it could get better yet," said Dr. John Trojanowski of the University of Pennsylvania, one of the authors of a study published in the Annals of Neurology.

It corroborates recent find-

ened levels of the protein tau in brain "tangles" inside the cerebrospinal fluid can help confirm an early diagnosis of Alzheimer's in older patients with memory loss.

Diagnoses are generally made by mental-ability tests and brain scans, Biochemical confirmation bas not been possible except by autopsy.

erally available, measures tau levels in spinal fluid extracted from a puncture in the patient's lower back. Tau, a protein com-

brain's oerve cells that are a sure sign of the disease. Creighton Phelps, director of

the government's Alzheimer's Disease Centers program, said that now that tau's role had been been identified, researchers would turn to designible except by autopsy. ing new proteins or treatments
The new test, not yet genthat might block its growth or

prevent its mutation. Confirmed early diagnoses will allow researchers to follow the disease's development and mon to everyone, is found mu- to experiment with treatments It corroborates recent find-ings that monitoring beight-and is the building block of brain cells.

POLITICALNOTES

Women Side With Clinton in Poll

WASHINGTON - A new poll has found that undergirding a tendency among women to favor President Bill Clinton's re-election is a resistance to Republican positions

The poll, by the Times Mirror Center for the People & and the Press, also found that all Republican presidential contenders suffer from a disadvantage among women voters. But that could change if Colin L. Powell, former chairman of the Joint Chiefs of Staff, eoters the race, according to the poll.

About 67 percent of women interviewed said they might vote for Mr. Powell if he runs for president. Nor is there a gender gap to Mr. Powell's support: 66 percent of men also said they might vote for bim.

The poll shows Mr. Clinton winning a theoretical threeway race, with 42 percent backing him, compared with 35 perceot for the Senate majority leader, Bob Dole, the Republican front-runner, and 19 percent for Ross Perot.

Mr. Clinton owes nearly all his margin to women, 44 percent of whom supported him, compared with 33 percent for Mr. Dole and 18 percent for Mr. Perot. (LAT)

Moving Out of a Nuclear Bunker

CHARLESTON, West Virginia — The Defense Department has relinquished control of a once-secret underground bunker built during the Cold War to house members of

Congress and their families during a nuclear attack.

The structure is deep beneath the West Virginia Wing of The Greenbrier, a mountain resort in White Sulphur Springs.

The government gave up its lease July 31, according to a letter from Assistant Secretary of Defense Emmett Paige Jr. that was released by Senator Robert C. Byrd. Mr. Paige said the action had not been announced until now at the request of

the resort's owner, CSX Corp.

Greenbrier's president, Ted Kleisner, said he'd decide by year-end when to allow the public to see the bunker. (AP)

Perot Backers Miss a Deadline

LOS ANGELES - Supporters of Ross Perot in California are scrambling to overcome an unexpected obstacle to qualifying their new political party in time for the 1996 presidendal election.

The California secretary of state, Bill Jones, told Mr. Perot's United We Stand America organization that his office had miscalculated the effective deadline for collecting 890,064 signatures on peddons to put the party on the ballot — and that it already had passed. Mr. Perot's group now must focus on the alternative route - registering about 89,000 new voters by Oct. 24 — which is considered tougher.

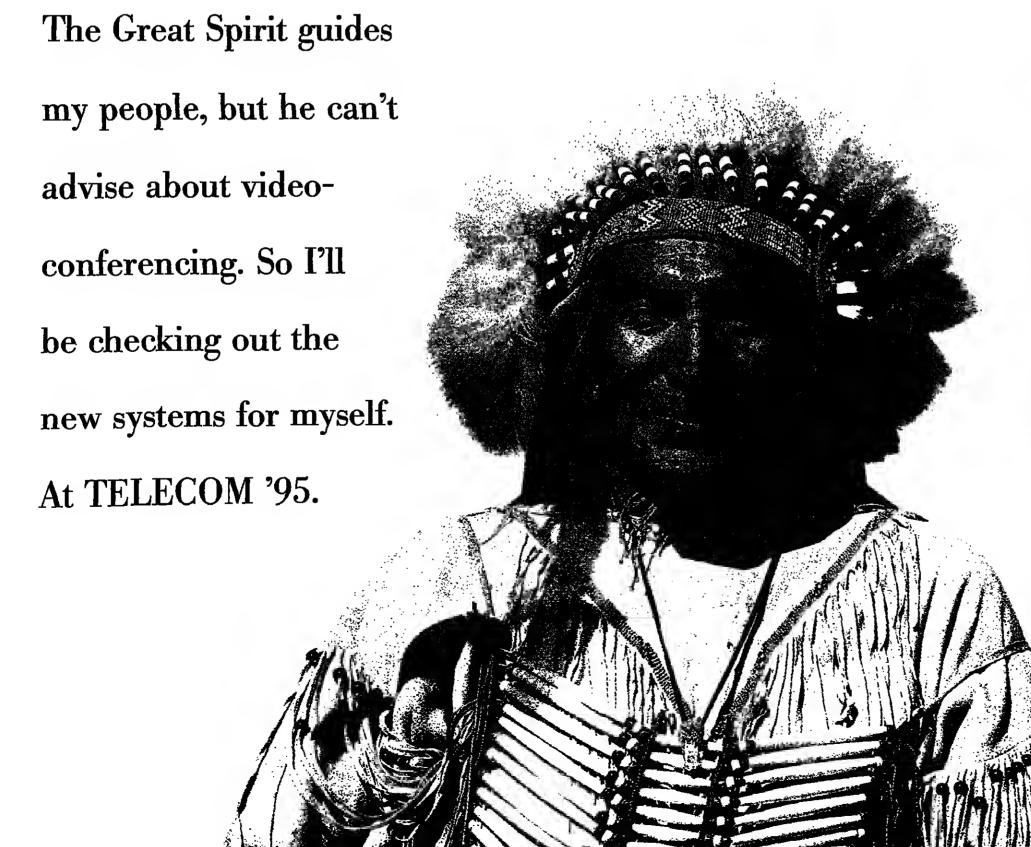
Uoder California election law, both procedures are valid for establishing a new party, and the Perot organization had been pursuing both. But that changed abruptly Thursday in the wake of Mr. Jones's announcement that since state law allows counties up to 38 days to certify signatures before a Nov. 13 deadline, the effective deadline for the petition process passed this week.

For the Record

Mel Reynolds, a former U.S. representative from Illinois, has begun serving his five-year prison sentence for his conviction oo charges of sexual misconduct, including having had sex with an underage campaign worker. (AP)

Quote /Unquote

Senator Daniel Patrick Moynihan of New York, on senators who voted for a bill that would reduce welfare payments: "History will shame them."



This October, in Geneva, IBM will be putting on some spectacular presentations at TELECOM '95.

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Washington Post Service

gress, must not forget that in-

vibrant national culture.

sight if they are to have a truly

On the third day of his U.S.

visit. John Paul crossed the East

River to transform the fields

that normally echo to the

hooves of thoroughbreds into a

In his homily, he bore down hardest on a theme that long has been one of the most promi-

The diocese is an area in so-

impoverished

cial and economic flux, contain-

ing many pockets of newly ar-

immigrants. And John Paul,

who has spoken out several times bere about his coocern for

the poor, sought to underscore

President Slohodan Milosevie

support to his brothers west of

the Drina River in Croatia and

As a result, while the Mus-

lim-Croat federation has been

fighting with the decisive sup-

port of the Croatian Army, the

Bosnian Serbs have been rela-

tively beleaguered. In effect, Mr. Milosevic has brought the

Bosnian Serbs to heel.

He is to be rewarded later

this month with a visit to the

United States, when talks

among the presidents of Serbia,

Croatia and Bosnia will begin at

Such a visit amounts to the

a secluded site, as yet undeter-

that theme again Friday.

rived,

and poverty.

13 Wounded by Bomb in Paris As Terror Suspect Is Buried

PARIS — A homemade bomb planted in a trash can slightly wounded 13 people on Friday in southern Paris, just across from a subway station with the same name as the Lyon suburb where the police killed a 24-year-old Algerianborn French youth suspected as being the ring-leader of a wave of Islamic terrorist bombings.

Khalid Kelkal, who the French Justice Ministry said had been a key suspect in planting a bomb made from a gas canister that killed seven people and wounded nearly a hundred in another Paris subway station on July 25, was buried Friday in the Muslim section of a cemetery near Lyon a few hours before the latest bomh, of similar design, exploded across from the Maison Blanche sunway station in Paris, near the Place

The police said that nuts and bolts packed around the gas canister flew for hundreds of feet in the explosion Friday, shortly after 4 P.M. A passing mailman had spotted the device, wrapped in a plastic bag, in the trash can and called the police, who roped off the Avenue d'Italie, a main artery, but the bomh went off before they could disarm it. Several cars were also damaged in the hlast.

[An anonymous caller to the French radio station RTL took responsibility for the bombing in the name of the "Armed Islamie Group Gen-eral Command," referring to a violent group based in Algeria, The Associated Press reported.]

French authorities say they are convinced that all the incidents in the most serious terrorist violence here since a wave of bombings in 1986

are the work of Islamic fundamentalists opposed to France's support for the military government of Algeria.

If nothing else, the explosion Friday seemed to show that others besides Mr. Kelkal, who was shot and killed last Friday in a Lyon submb called La Maison Blanche, must be involved in the bombing campaign, despite Justice Minister Jean-Louis Debre's statements a week ago naming him as the main instigator.

As members of his family and friends buried

him in Rillieux-la-Pape on Friday afternoon, Le Monde published a transcript of an extended interview with Mr. Kelkal that had been conducted hy a German sociologist, Dietmar Loch, as part of a study of ethnic communities in the

region three years ago.

Mr. Kelkal gave no hint of sympathy with terrorism, but told his interviewer: "I am neither family life.

Arah nor French — I am Muslim.

Celebrating the sanct family life.

Celebrating the sanct family life.

"I didn't find my place in high school," be said. "That's when it started. We stole, we began thanging around. We saw that we could make money by stealing.

"My mother asked me: 'What's going on with the started with the said these goals were part of "the mystery of God's kingdom and its message of life and salvation."

"My mother asked me: "What's going on with you? I don't recognize you from one day to the next." The more I became mixed up with delinquency, the less contact I had with my family. "I began saying: 'I have to get involved with religion. I have to pray." The day I stopped praying was when I started getting in all kinds of trouble. When I stopped with Ramadan, and prayer, where did I end up? In the hole, in prison. "One thing I'd like to do: leave France altogether For where? Back home. Algeria I have no

gether. For where? Back home, Algeria. I have no place here. Because now all an employer has to do is ask: He's been in prison. When something gets stolen, I'll be the guilty one."

Blast Hits Russians in Chechnya

Compiled by Our Staff From Dispatches GROZNY, Russia - Russia's military commander in the breakaway republic of Chech-

Lieutenant General Anatoly Romanov, 47, was hospitalized in grave condition after suffer-ing a cranial wound. His deputy, Colonel Alexander Zas-lavsky, and the driver were killed in the blast, which also wounded at least nine Russian

The explosion occurred in the General Romanov's motorcade

The remote-controlled bomb also killed or wounded at least several passengers on a com-muter bus passing through the underpass at the same time as

It was the second major attack on a senior Russian official in three weeks. On Sept. 20, a powerful bomb explosion narrowly missed Oleg Lobov, President Boris N. Yeltsin's envoy

Mr. Yeltsin's spokesman said Moscow would stick to agreements reached at peace talks of Serbia to lend only limited with Chechen separatist rebels.

"The president considers that the federal authorities in Chechnya will adhere to earlier agreements on a peaceful settlement of the conflict despite provocation and terrorist acts," interfax news agency quoted the spokesman, Sergei Medve-

But the attack is certain to exert fresh pressure on the fragile cease-fire negotiated between Russian forces and separatists that was negotiated in

The bomh attack was apparently also aimed at Russia's interior minister, General Anatoly Kulikov, who was touring Chechnya but left for Moscow earlier than expected, the minis-



Pope John Paul II arriving Friday at Aqueduct.

nent threads in the tapestry of his papal preachments: his fear that the pressures of modern life can cause the disintegration of the family. Japan's Justice Minister Under Pressure to Onit

withdraw questions in Parliament about a loan. Yomiuri Shimbun, Japan's

erences in prepared questions on Oct. 3 about a 200 million yen (\$2 million) loan Mr. Tazawa had failed to report in

In exchange, the Yomiuri said, Mr. Tazawa promised to oppose a controversial government bill to tighten control over religious organizations, a key legislation opposed by the New

that was not enough.

Tokyo Police Arrest * Cult's Spokesman

Compiled by Our Staff From Disputches TOKYO — The spokesman of the Japanese sect Aum Shinrikyo was arrested early Saturday at the group's headquar-

Japanese television showed Fumiliro Joyu, 32, smiling and wearing a protective helmet as he was led away by the police.
Mr. Joyu bas led the cult since mid-May, when the police arrested its guru, Shoko Asahara, on murder charges for the nerve gas attack in the Tokyo subway in March, which killed 11 people and injured more than 5,500 others.

As the police were preparing to arrest Mr. Joyu late Friday, a man opened fire outside the cult's headquarters.

The shooting took place de-spite tight security. Hundreds reporters and other onlookers had been waiting for hours for the arrest of Mr. Joyu, who used to run the sect's Moscow

Up to five shots were heard. No one was hit and the gun-man, described as a young man wearing army fatigues, was quickly detained by the police. The authorities later identified him as Shoji Sakuma, 27, who claimed to be a member of a group called Kokoyu-kai, a ightist organization.

The Tokyo headquarters was

the scene of the fatal stabbing in April of Hideo Murai, a top Aum official whom the police had called a central figure in the subway attack.

Mr. Joyu was arrested for allegedly ordering followers to give false testimony to the authorities. Reports said that an accountant for the sect was also arrested.

The arrest of Mr. Joyu would in effect decapitate the beleaguered sect because all other senior leaders are already under

Mr. Joyu became a house-hold name in Japan for his daily television appearances to main-tain the sect's innocence after scores of followers had been ar-

He has remained a defiant. defender of Aum and Mr. Asahara, whose trial begins on Oct. 26 for the sunway attack, the killing of a rebellious follower and the production of illegal drugs and chemicals.

Meanwhile, a court held a closed-door hearing on the sect Friday as part of proceedings toward a possible order to disband it, the lawyer for the sect said. Tokyo District Court officials refused to comment on the hearings. It was not clear when the court would reach its deci-

French Snap at Critics Of Their Nuclear Tests

PAPEETE. Tahiti - France struck back Friday at critics of

its nuclear testing in the South Pacific.

The president of French Polynesia, Gaston Flosse, accused Australia and New Zealand of inciting hatred of France through opposition to the tests.

And the French ambassador to Australia accused some Australian schools of brainwashing students into believing that his country was a criminal state for conducting the tests. "I think that brainwashing children against another country is itself an aggression to the children," said the ambassa-

dor, Dominique Girard, Mr. Flosse, meantime, told the French Polynesian Parliament that "extremist" elements in the territory had waged "a process of subversion," promoting "racial and social and

"They rely on states like Australia and New Zealand, or international organizations such as Greenpeace, for different motives - the hate of Western society, economic interests, the hate of France and the will to get it out of the Pacific," Mr.

Flosse said. In Kuala Lumpur, Prime Minister Mahathir bin Mohamad said Friday be would soon gather all political parties in Malaysia to criticize unanimously France's nuclear tests. (Reuters, AFP)

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nya was critically wounded Fri-day in a bomb explosion.

Chechen capital, Grozny, as was going through an under-

the general's motorcade,

dev, as saying.

(AP, Reuters) overcome his image in America

Compiled by Our Staff From Dispatches

The Pope spoke as the guest of the diocese of Brooklyn, which includes the New York TOKYO — Pressure mount-City boroughs of Brooklyn and ed on Japan's justice minister to Queens, where Aqueduct is sitstep down on Friday over allegations that be arranged a secret deal with the opposition to drop questions in Parliament over his finances, governing co-

alition officials said. Prime Minister Tomiichi Murayama said he was satisfied with the denial by Justice Min-ister Tomoharu Tazawa. "I believe the facts were quite different" from press reports, Mr.

He did it by symbolically de-livering part of his bomily in Spanish and by using New York as a metaphor for both have said sche for Mr. Murayama, a Sohopes and concerns about the cial Democrat who presides United States. the conservative Liberal Demo-"America has a reputation cratic Party, which elected a right-winger, Ryutaro Hashi-moto, as its bead last mooth. the world over, a reputation of power, prestige and wealth," be

said. But not everyone here is The daily Yomiuri Shimhun powerful; not everyone bere is on Friday accused Mr. Tazawa, rich, In fact, America's some-times extravagant affloence often conceals much hardship a backroom deal with the oppo-

largest-circulation daily, sug-gested that Ichiji Ishii, a New Frontier member of the upper house, agreed to withdraw ref-

his list of assets.

Frontier Party.
Both Mr. Tazawa and Mr.

Ishii denied the report but Liberal Democratic officials said

"We regret we were seen to be in contact with the opposition over a key piece of legislation," Masakuni Murakami, the Liberal Democratic leader in the upper house said at a news sition New Frootier Party to conference. (Reuters, AFP)

KUALA LUMPUR - Kelantan state, ruled by Muslim fundamentalists, has banned all public singing and dancing in the state capital. Kota Baru, describing reviling such perfor-

mances as un-Islamic, or haram, local news reports said. "From today, all charity drives, cultural shows, concerts or any functions which involve singing and dancing are banned," said the Kota Baru municipal council president, Hassan Abdullah, as quoted Friday by the Star daily.

BRIEFLY ASIA

Seoul Denies Nuclear Bomb Plan

SEOUL — South Korea's Agency for Defense Develop-ment denied Friday that it almost made a nuclear bomb in the

late 1970s, as suggested by an opposition member of Parlia-

man said. "Yesterday was the first time that we heard that we were involved in a nuclear project. It is just not true."

"We had beard nothing about a nuclear bomh," a spokes-

Kang Chang Sung, an opposition lawmaker on Parlia-

ment's defense committee, said Thursday that be had heard

President Park Chung Hee saying in September 1978 that the

agency was involved in huilding a nuclear bomb and that the

device was about 95 percent complete. "The ADD said the nuclear bomh would be completed in the first half of 1981,"

said a statement from Mr. Kang's office.
"But right after former President Chun Doo Hwan took

power, the U.S. promised" to secure his position "if he

Malaysian State Sours on Show Biz

promised to give up building the nuclear bomb," it said.

He said the ban followed a directive from the state govern-ment, led by Parti Islam, classifying such performances as

contrary to religious beliefs. Parti Islam has sought to imbue Islamic principles into the daily lives of the Kelantanese people since it won control of

the largely agricultural northeastern state in 1990. (AFP)

North Korean Leader Shows Up

SEOUL — Kim Jong Il made a rare appearance to inspect a monument built to celebrate the 50th anniversary of the Communist Party's founding, the official Korean Central News Agency said.

The visit on Thursday came amid increasing doubts on whether the reclusive Mr. Kim will formally succeed his late father, Kim Il Sung, as the head of the Workers Party during next week's anniversary. Almost all of Mr. Kim's visits since the older Mr. Kim's

death 15 months ago had been army-related. Mr. Kim is the head of the 1.25-million-strong armed forces, but has not assumed two other posts held by his father, president and party bead.

There had been speculation that Mr. Kim, 53, would assume formal powers during the anniversary. But his half-brother Kim Pyong II, North Korea's ambassador to Finland, has told reporters that he is unfamiliar with any inauguration

VOICES From Asia

Jiang Zemin, president of China, at an international conference in Beijing: "Corruption is a disease of the healthy

Wen Wei Po, a Hong Kong newspaper with ties to China, on the O. J. Simpson trial: "The United States attacks others on human rights everywhere. But look at its racial discrimination — the human rights of American hlacks, torture of prisoners and the hard labor of chained inmates — and you will understand the principle of correcting oneself before criticizing others."

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TRUCE: The Bitterness Remains CLINTON: as the man who destroyed Yu- Defends Policy

goslavia.
"There will always be a cer-Continued from Page 1 tain queasiness in dealing with and pursue, based on trial and the man," said a senior adminerror and persistent experimenistratioo official. "But in recent tation, a policy that advances our values of freedom and demonths Milosevic has proved himself a viable interlocutor. mocracy, peace and security."

To that end, Mr. Clinton said, the United States must Even Arafat came to the White

House in the end." For the Muslim-led Bosnian keep up its commitments in forgovernment, the agreement on cign aid - which amounts to the cease-fire and further peace less than 2 percent of the federtalks was reached only after bital hudget -despite Republican ter internal debate, American calls for cutbacks, and must Officials said. take the lead in organizing and staffing a NATO contingent. In the end, it appears that the

government was convinced to [After the speech, the Senate Republican leader, Boh Dole, sign only by promises of large amounts of Western economic said Mr. Clinton had not made aid and military assistance in the event of a peace.

The official singled out Prime Minister Haris Silajdzie of Bosculmination of a long-sought rehabilitation for Mr. Milosevic, who has long wanted to nia as the most resistant to the peace plan because he is concerned that it would ultimately cause the partition of Bosnia, with roughly 50 percent of the country going to the Serbs.

His position reflects that of many officials within the Bosni-

an government and the army who are deeply skeptical of U.S. assurances that Bosnia will remain a single state — albeit split down the middle — with some real anthority still vested in its central government. These officials contend that

the only way to preserve a single Bosnian state may ultimately be to fight on and to defeat the Bosnian Serb leader, Radovan Karadzic. This long-term objective is certain to persist for some time and is likely to be a source of tension if a settlement is reached and as many as 20,000 U.S. troops lead a NATO force into the area to

Administration officials insist that everything possible will be done to insure that Bosnia is oot partitioned. Economic aid will be fashiooed in such a way as to discourage splitting the country, and efforts will be made to insure that the final constitution will give the central government of Bosnia real that the giant Natura LNG pro-

In any settlement, however, proceed on schedule. Bosnia is to be a state with three armies - the loosely tied, but joint venture between Pertamutually suspicious, Croatian and Bosnian government forces on one side, and the Serbs on the other. If the NATO force only consolidates the lines between these armies, the ultimate donesia's position as the death of Bosnia may become

a convincing argument on why U.S. troops should go to Bosnia as part of a peacekeeping force, Reuters reported from Washington. ["If the president believes he

has already made his case to send 25,000 Americans to Bosnia, he is sadly mistaken," Mr. Dole said.] The president also chided Congress for letting the United States fall about \$1 billion be-

hind in its dues to the United

Continued from Page 1

and the Netherlands, Occidental Petroleum Corp. of the
United States and Nippon Oil
Officials of Petronas and Per-The oew plant will be built

year after it starts operation in the year 2000. Pertamina, Indonesia's stateowned petroleum company, is ocgotiating with U.S. and Japanese companies to finalize a new shareholding structure so sons ject in the South China Sea can

The project, currently a 50-50 mina and Exxon Corp. of the United States, would cost around \$40 billion to bring into production by the end of 2004 or early 2005, consolidating Inworld's largest exporter of liq-

The Natura gas field is about oil importer in the last two China Sea off the Malaysian state of Sarawak.

1,100 kilometers (700 miles) years, the dual result of soaring north of Jakarta and 225 kilo-economic growth and industri-The companies are Royal meters northeast of the Natuna Dutch/Shell Group of Britain Islands, Indonesia's northernmeters northeast of the Natuna alization and stagnant domestic-

CHINA: A Hint It May Cede Gas Field Claim in Sea

tamina say they they have beld discussions with Chinese offinear the two existing gas plants cials and companies about pos-in Bintulu at a cost of about sible sales of liquefied natural \$6.5 billion, adding 6.6 million gas from the Central Luconia tons of new LNG capacity a and Natura projects. At present, the major huyers of LNG from Southeast Asia are Japan, South Korea and Taiwan.

China appears, bowever, to be playing hard to get, for political as well as commercial rea-

The potential gain from re-source rights to the gas fields is enormous. Natura alone has recoverable reserves estimated at 46 trillion cubic feet of gas.

Still, demand for energy is increasing so fast in China that commercial pragmatism and Beijing's interest in maintaining stable relations with Southeast Asia may prevail over nationalist and irredentist sentiment.

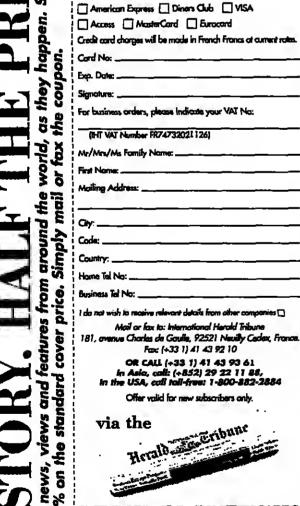
oil production. In 1994, China imported an average of 247,000 barrels per day of crude oil and 301,000

barrels per day of oil products, according to the Statistical Review of World Energy compiled by British Petroleum Co. Tang Zhenhua, vice president of China National Offshore Oil Corp., said recently that the country had started

talks with suppliers in the Middle East, Southeast Asia and Russia on the possible sale of gas to China under long-term contract for use in power generation and other industries.

The gas from Russia or one of the central Asian republics in the former Russian Federation would be piped overland.

Of the LNG suppliers, Southeast Asia is thought to have a clear edge over the Persian Gulf because it is a less and irredentist sentiment. volatile region politically and is China has become a large net closer to China.



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Mr. Wilson said a study of

the Concorde exhaust was un-

dertaken to measure and identi-

fy the chemicals that are

dumped into the stratosphere

by a supersonic jet engine on a

plane flying above 50,000 feet

The researcher said that the

nitrogen oxide reactions mea-

sured were about what were ex-

pected, but that the presence of

sulphur particles "came as a

Sulphur contained in the jet

fuel exhaust condenses intn

particles within minutes, he

said. The particles could cause a

ehemical reaction that might

enhance erosion of the ozone

(15,000 meters).

layer, he added.

surprise.

Plea Plan Denied by Lawyer for Simpson

ice Ame

Compiled by Our Staff From Dispatches LOS ANGELES -Robert Kardashian, one of O. J. Simpson's closest friends, said that Robert Shapiro, a fellow defense team lawyer, at one point speculated whether Mr. Simpson should plead guilty to manslaughter if the prosecution ever offered a plea bargain.

Mr. Shapiro quickly de-nied Mr. Kardashian's allegation, saying: "There was never, ever discussion of anything other than going to trial and having this tried

by a jury."

Mr. Shapiro said Mr.
Simpson "had told me he ts innocent from the beginning, and he never wavered from that."

Mr. Kardashian said Mr. Shapiro made the statement during a defense strategy session early in the trial. As part of that scenario, Mr. Shapiro discussed whether Mr. Kardashian should implicate himself as an accessory to the slayings of Nicole Brown Simpson

and Ronald L. Goldman. Mr. Kardashian has said he never looked into the garment bag he was seen carrying at Mr. Simpson's home after Mr. Simpson returned from his trip to Chicago.

Mr. Kardashian said he vehemently objected to playing out such a plea scenario. Explaining that it was in a "what-if-the-prosecution-came-to-us" context, Mr. Kardashian said he told Mr. Shapiro; "Absolutely not. What would I plead to? I have done nothing." Mr. Kardashian related

that Mr. Shapiro said he was only throwing out The idea never went further, he said, and the prose-

cution was never involved.



The cell at the Men's Central Jail in Los Angeles where O. J. Simpson spent 474 days until his release on Tuesday.

Simpson Trial Shakes Legal System

Some of the changes were un-

jurisdictions, the number of

Sunday, to curtail sharply what

lawyers can say to reporters

outside the courtroom. Other

states are expected to follow.

And, mindful of the Simpson

case, both prosecutors and de-

fense lawyers in an increasing

than doubled.

By Stephen Labaton
New York Times Service

WASHINGTON - The O. J. Simpson trial is prompting a host of changes both in particular cases and in the nation's legal system, from the early maneuvering in the Oklahoma City bomhing trial to the tougher laws on domestic violence that are being adopted.

Defense lawyers are hracing for a backlash from judges and legislatures seeking to make it easier to get convictions. Law-yers and judges foresee new restrictions on cameras in courtrooms, fewer requests to sequester juries and changes in the way juries are selected.

Police departments are re-

viewing their procedures for handling evidence, particularly blood and fiber, at crime scenes. Judges say they are taking the Simpson case's glacial

judges not to sequester juries to avoid souring them. But legal experts say far more lenges. ing by its broadcast and its correspondent, Art Harris. CNN said: There was no

system should work. Defense lawyers in particular wanted her views made public." the jurors in Los Angeles.

> this verdiet for several years," fended William K. Smith against a rape charge four years

Just as an insanity verdiet in the John W. Hinckley Jr. case, involving the attempted assassinatinn of President Ronald

pace as a textbook case of how Reagan, prompted many states Governor Pete Wilson of Calito toughen their insanity laws, nnt to conduct a trial. And prosecutors and defense law-Mr. Black said, so will the yers alike are reconsidering ba-Sunpson case monvate legislasie precepts of trial tactics, in- tures and courts to make it eluding the supposed harder for defense lawyers to invincibility of DNA evidence. prevail.

The public's perception will be that if you have ennugh money and celebrity-hood and der way even before the verdict was announced Tuesday. The case had motivated Congress high-priced lawyers, then you and some state legislatures to can beat the rap," Mr. Black approve tougher new laws on domestic violence, and, in many all kinds of tinkering to give more power to prosecutors."

Judges, lawyers, prosecutors, law professors and legislators women reporting that they have been battered by their husbands or boyfriends has more interviewed this week said that the other consequences of the Prodded by the California Simpson case were most likely state legislature, the state's Suto include these measures; preme Court adopted an ethics At least for the short term, rule, which went into effect

prosecutors fear that more defendants will go to trial rather than accepting a plea agree-ment, which could further clog whole profession under scrutithe judicial system.

 Lawyers may lose some ability to shape the composition lie perceptions of the case as the of juries. There will be new number of cases have asked scrutiny of lawyers' ability to remove prospective jurors with unrestricted peremptory chal-

lies ahead, as the case inspires a Some prosecutors say they rethinking of many rules and will now think twice about uslegal strategies while it reshapes ing a witness if they believe the heads the executive committee the expectations of judges, law-yers, jurors and defendants ities. And defense lawyers are about how the criminal justice expected to emulate the Simp-making arm of the federal judison defense strategy of challenging law enforcement auare fearful of public pressure thorines by accusing the police for change in the aftermath of of improper behavior and con-Mr. Simpson's exoneration by veying to jurors their right to use their verdiet to send a hroad

There will be hell to pay for message to the community. Law enforcement authorisaid Roy Black, the Florida nes say that police departments lawyer who successfully de- nationwide will begin to review the manner in which they collect evidence, like blood and

fibers, at crime scenes. The case is already being used as the basis for several state initiatives aimed at changing the criminal justice system

AMERICAN TOPICS

lar commercial service.

WASHINGTON - The ex-

haust of a Concorde aircraft

flying at twice the speed of

J. C. Wilson of the University

might force engineers to change

the design of engines and to

revise the fuels that may be used

in a proposed fleet of superson-

ic aircraft being considered by

both industry and NASA. A re-

port on the study was published

Friday in the journal Science.

according to initial tests.

Indigent Defendants Get No 'Dream Team'

The legal help available to indigents charged with murder is a far cry from the "dream team" that helped O. J. Simpson, who did not face the death penalty, win acquittal, says Richard Dieter of the Death Penalty Informatinn Center, a private civil-

rights group.
"Ton many states encourage this malpractice hy offering totally inadequate pay and resources far death penalty defense," Mr. Dieter's report contends.

Most court-appointed lawyers, though underpaid and often inexperienced in deathpenalty cases, are conscientious. But Mr. Dieter's report focused on some of the worst: · Larry Heath's lawyer failed to appear when his case was argued before the Alabama Supreme Cnurt. Mr. Heath was executed in 1992. Calvin Burdine, now on death row in Texas, was represented by a lawyer who, according to an affidavit sub-mitted by the jury foreman, repeatedly fell asleep in court.

Concorde Exhaust Is Analyzed

But U.S. and Eurnpean air-craft builders are drawing up

designs for supersonic airliners

capable of flying at almost twn

passengers. An early study

shows that there could be fleet

The National Aeronauties

and Space Administration has

committed \$1.5 billion to devel-

op the technology for a civilian

supersonie transport. Included

in the NASA goals are coming

by the year 2015.

ages the ozone layer.

sound dumps tons of sulphur and a half times the speed of

particles into the atmosphere, sound and carrying up to 300

of Denver said the finding of 500 such aircraft in operation

The Concorde, huilt in the up with an airliner that is eco-

1960s hy the British and nomical to operate, meets fed-

French, is the first and only eral nnise regulations and does

supersonie airliner now in regu- not emit an exhaust that dam-

• Jesus Romero's lawyer presented a 26-word argument to the jury at the trial's

sentencing phase. "You are an extremely in-telligent jury," the lawyer said. "You've got that man's life in your hands. You can take it nr nnt. That's all I have to say." The jury voted death, and Mr. Romern was executed in 1992.

About People

Colin L. Powell wields a speedy pen. At two Denver bookstores, the retired general signed a copy of "My American Journey" every six seconds. "I've never seen anyone sign books like he does, said a Random House pubhcist, Ivan Held. General Powell signed at least 2,100 copies

nf his best-selling autubiography at the Tattered Cover booksing and at least 600 at The Hue-Man Experience. ous record was set in 1992 by General Norman Schwarz-knpf, who signed 1,375 copies of his book.

Ann Richards, the former Democratic governor of Texas, says she always found plenty of reasons to drink, "l drank to celchrate." she said in a speech at Southern Methodist University in Dallas. "I drank when it had been a had day. I drank if I had a temporary, painful experience. I drank if I wanted to have a good time. I drank if I wanted to relax. I drank if I needed to stay up to party. I drank if I needed in get ready to party. There was always a very good reason to drink — you get the idea. And I always had somehody to drink with me." Mrs. Richards said she has been sober for 15 years hut still struggles with her addiction and attends Alcoholics Anonymous meetings.

Prosecutor Faults Jury For Looking to Acquit

(LAT, AP)

By William Claiborne

LOS ANGELES - Marcia Clark, the chief prosecutor in the O. J. Simpson case, sharply criticized the jury that acquitted him of murder and suggested that in such a racially charged case hlack jurors "won't bring justice.

CNN reported that Ms. Clark, who is white, said Thursday in an interview that she was not surprised by the verdict, especially in light of the reasons jurors have given for it since the trial concluded. "What jurors are saying is

that they looked for a reason to acquit," she was quoted as say-"There was no critical thinking going on. "A majority hlack jury won't

convict in a case like this," she added. "They won't bring jushroadcast, Ms. Clark said that she had been misquoted and

that the statement did not reflect her views. Suzanne Childs, spokeswomn for the District Attorney's Office, said, "Ms. Clark said that she had a hrief off-the-record conversation with the CNN reporter and that she was misquoted, in particular about the statement about the racial composition of the jury. In fact,

But CNN said it was stand-

that is not her view.

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discussion between Mr. Harris and Ms. Clark being off the record. It was our reporter's dis-tinct impression that Ms. Clark

16th Chess Game Concludes Swiftly In Another Draw

NEW YORK — Garry Ka-sparov coasted nearer to victory Friday in the Professional Chess Association World Championship when he drew the 16th game with Viswanathan Anand after 20 moves.

With four games remaining Mr. Kasparov leads 9.5 to 6.5 and requires only one more After her remarks were draw to retain his title. The winner of the match must accumulate 10.5 points.

"I think Vishy just wants to go home," said lan Rogers, an Australian grandmaster. "He's demoralized. Asked whether he felt like

resigning the match, Mr. Anand replied: "I think I might have one more shot at him.

Playing hlack, Mr. Anand tried Mr. Kasparov's favorite Sicilian defense. The opening was the same as the seventh game until the champion made a new move with his 16th. After quiet maneuvering in the center of the board, Mr. Kasparov offered a draw on his 20th move. Mr. Anand quickly accepted.

Mr. Anand plays white in the 17th game Monday.

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FRANKFURT

fornia has cited the trial in his

campaign for a ballot initiative

to amend the state's constitu-

non to eliminate, in most crimi-

nal cases, the requirement that

a jury decision be unanimous.

push for changes came nnt so

much from the verdiet, hut

from the overall conduct of the

prosecutors, the defense law-yers, the Los Angeles Police De-

of the Simpson case, there will

now be a strong and sustained

review of our whole criminal

justice system," said Anthony

I. Kronman, dean of Yale Law

School. "There are so many as-

pects of this case that people

find distressing. The behavior

of the lawyers in this case has

brought, rightly or wrongly, the

Judges also expect that pub-

manifestation of systemic prob-

the case has been perceived as a

blot on the system of justice,"

said Chief Judge Gilbert S.

Merritt, the appeals judge who

The overall perception of

the case," he added, "is that it

does not show the system of

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justice as operating well."

02503-41399.

"Whatever may be the truth,

lems will lead to changes.

"Regardless of the outcome

partment and the judge.

A number of experts said the

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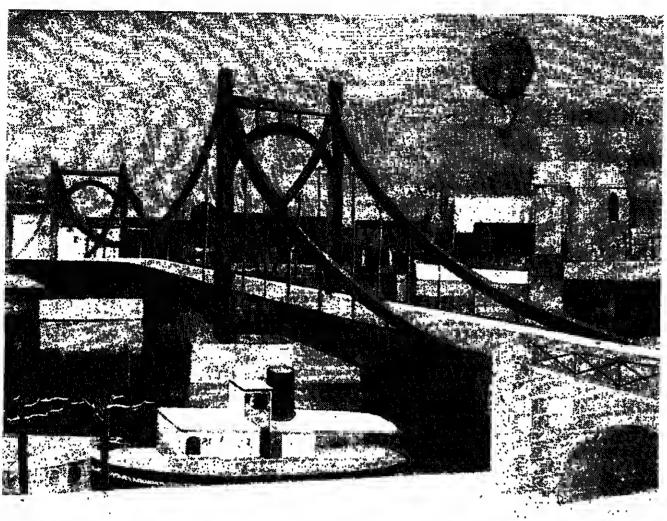
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SYNAGOGUES

The Rhine as Myth and Menace: Views From 130 Artists



Carl Barth's "Rheinbrücke" ("Bridge Over the Rhine"), painted in 1932 and shown in the Bonn exhibition.

By David Galloway

ONN - The Rheinisches Landesmuseum is the first port of call for an exhibition appraising the Rhine as a cultural "stream" that bas repeatedly offered inspiration for the art of this century. With 400 works by 130 international artists. "Der Rhein/Le Rhin/ De Waal" sometimes threatens to overflow its own banks.

Yet curators from the three participating museums in Bonn, Nijmegen, the Netherlands, and Strasbourg have netted a representative catch of idioms and isms: from Impressionism to Concept Art, sculptures, photography, video and minimalist instalations. In addition, souvenirs, model ships and travel posters testify to the popular attraction of Germany's loogest river.

The current presentation updates a show entitled "The Magic of the Rhine in the 18th and 19th Centuries," which made its debut in Bonn three years ago. A small group of paintings from that survey is included here, lending historical dimension to 20th-century achievements. They are essential for an understanding of the traditions that are manipulated ironically by many modern artists. After all, when chemical pollutants mingle with this stream, they also swirl about the Lorelei and obscure the ring of the Nihelung.

Wagner receives a nod in Bonn through the voluptuous paintings of American artist Douglas James Johnson. And the composer's own mythic extravaganza can be seen as a kind of "watershed" between the Romanticism of the 19th century and the more modern realities of an embattled frontier or. too often, an open sewer. (Two decades ago, the oily surface of the Rhine literally burst into flames in the Düsseldorf harbor.)

A waterway developed by the Romans own classic contribution to the genre was many.

and later studded with piratical customs barriers by feudal lords, the Rhine was often a military objective. The Versailles Treaty declared it an open, democratic str-ream, and still provides the basis for regulating its traffic.

But Margaret Bourke-White's riveting photographs of 1945, showing Rhine bridges twisted and curled, expose the

irony of that dream.

Where the Rhine is concerned, dream and reality bave often been askew. More than any other single event, it was the publication of a diary recording Rhineland misadventures that started the vogue for "romantic" Rhine voyages in the early decades of the last century. The diary was kept by an English girl of 17 who ran away with her older, married lover in the summer of 1814. Mary Godwin was the daughter of the English novelist Mary Wollstonecraft, often called England's first feminist. The lover was the enfant terrible of the English literary scene, Percy Bysshe Shelley.

OGETHER with Mary's younger sister, the pair traveled from Lon-don to Paris, then to Switzerland, and down the Rhine to Holland. When they returned from there to London, the trio was penniless and Mary pregnant. The journey had been strenuous and dangerous, especially along the Lower Rhine, where the diarist described a fellow passenger as "a kind of shapeless animal with a heavy, ugly German face." From Cologne onwards, bands of marauding Cossacks left over from the Napoleonic Wars made it

impossible to travel by night.

Despite the discomforts it recorded, the published diary made the Rhine a favorite destination for adventurous British travelers. Its ruined castles also provided set-

probably inspired by a visit to Frankenstein Castle, near Darmstadt.) Painters, meanwhile, led the vogue by producing studies of picturesque ruins looming above the water and silhouetted against storm-tossed skies. The Rhine had ceased to be a mere river and become a myth.

Parallels between the mighty Missis-sippi and the Rhine often occurred to Max Ernst, who grew up mear Cologne and lived in American exile from 1939 to 1945.
The cross-cultural reflections make his among the most provocative of the works shown in Bonn. In too many other cases, the simple fact that the river can be viewed in a landscape (or appears in the title of an abstract work) seemed to justify its inclusion. And the understandable urge to give the three participating countries equal billing resulted in the selection of a number of French and Dutch artists who conspicuously fail to measure up to the standards set by Ernst. August Macke. George Grosz,
Joseph Beuys or Klaus Rinke.
At its best, "Der Rhine/Le Rhin/De
Waal" is basically a German show. Par-

haps its strongest entry is a pair of lead-bound drawing books by Anselm Kiefer, which might have been pilfered from Wotan's own library at Valhalla. And there is a mesmerizing video sculpture by the Italian Fabrizio Plessi, specially created for this exhibit, that electronically revives the fascination the river once exercised on poets and travelers.

'Der Rhine/Le Rhin/De Waal" is at the Rheinisches Landesmuseum until Oct. 29: at the Museum Commanderie in Nijmegen from Nov. 11 through Jan. 28; and at Strasbourg's Musée d'Art Moderne from the end of February until the end of April.

David Galloway is an art critic and freetings for countless Gothic novels. (Mary's lance curator based in Wuppertal, Ger-

Met Looks at What Makes a Rembrandt – and What Makes a Fake

By William Grimes New York Times Service

EW YORK - There is a paradox at the heart of all love affairs between the public and the greatest artists. The more elusive and mysterious the artist - the more unknow-

able — the faster the public pulse races. No artist was ever more of an enigma than Rembrandt, the greatest painter of Holland's 17th-century golden age. No artist in modern times has been more beloved. And no artist bas been more of a problem, in large part because documentary evidence

about his life and his career is scarce. What works attributed to Rembrandt did he actually create? What were his working methods and bow was his studio organized? Which aspects of Rembrandt's sensibility and style belong to him alone, and which were the common property of 17thcentury Amsterdam?

taken the unusual step of devoting an entire curator of Dutch and Flemish paintings. exhibition not to Rembrandt the genius but to Rembrandt the problem. The sbow, "Rembrandt/Not Rembrandt," which opens to the public oo Tuesday, presents more than 100 paintings, prints and drawings to demonstrate the difficulties in sortings to demonstrate the difficulties in sorting out real Rembrandts from the work of pupils, followers, admirers and, in some

This is one of the rare scholarly en-Rembrandt after another has been stricken With the Golden Helmet," a superstar at the Staatliche Museum in Berlin that was demoted in 1985.

The Met is in an ideal position to throw a spotlight oo the drama of connoisseurship, the art history term for the activity of identifying the author of a painting, largely

through close visual analysis.

The exhibition will include all 42 paintings in the museum's collection that are by Rembrandt or were once thought to be so — museum officials believe that about 18 are the geouine article — as well as 30 drawings, 32 prints and several paintings by artists influeoced by Rembrandt.

There is disagreement within and with-

Again, the museum has takeo an unusual

terprises that has actually caught the pubsented oot only with paintings, etchings lic's imagination in recent years, as one and drawings, but with arguments. It will get a taste of the passions involved in from the list of paintings long assumed to Rembrandt studies, and a feel for the fine be by the master's hand, like "The Man points that can animate the debates surdeots, admirers and imitators. points that can animate the debates surrounding the artist.

> mild. Von Sonnenburg maintains that "Portrait of a Woman," an oval painting on wood panel from 1633, is a copy. He argues and dozens of followers who may that the painting, which shows a pleasantthe substantial buildup of paint layers typical of Rembrandt. Furthermore, X-rays show oeither the revisions nor the sure hand

that is characteristic of Rembrandt.

Liedtke concedes that the painting does oot rank high in the Rembrandt canon. But he counters that Rembrandt was swamped by portrait commissions in the 1630s, wheo out the museum about certain paintings, be first set up his studio in Amsterdam, and

By contrast, the two men disagree ed individual portraits, self-portraits, group sharply about "Christ and the Woman of Samaria," a panel painting from the 1650s.

ed individual portraits, self-portraits, group portraits, landscapes, history paintings. The most important event in reassessing the artist came in 1969, with the creation Von Sonnenburg says Rembrandt. Liedtke says a pupil, perhaps Constantijn van Renesse, a suggestion that von Sonnenburg calls "absolutely untenable."

In other words, the public will be pre- took Amsterdam by storm, becoming the most sought-after portrait painter in the city, having already made a stir with his dramatic early paintings of biblical scenes. deots, admirers and imitators.

Studeots may or may not bave worked With some paintings, disagreement is on some of the teacher's paintings. He may

Historians know of a bundred studeots and dozens of followers who made copies of Rembrandt paintings. Admirers absorbed looking middle-aged woman in a white lace his influence and turned out work in his cap and ruffled lace collar, does oot have manner, which, to make matters more con-

fusing, changed from decade to decade. Later hands forged Rembrandt's signature on existing paintings or produced

HE same qualities that make Rem-For decades, scholars have been debat- ootably between the two curators of the that the quality of the works therefore new techniques. His manner evolved from ing these questioos passionately, as if the struggle were for the artist's very soul.

The Metropolitan Museum of Art has than specializing in a single genre, be paint-

> The documentation surrounding Rembrandt is maddeningly scarce. He left behind only seven letters. Only about 30 of his paintings are referred to in inventories. The problems started early. While still a wills or letters. The workings of his str young painter, in the 1630s, Rembrandt remain largely a matter of conjecture. wills or letters. The workings of his studio

The attribution problems multiplied drastically after the Romantics recast Rembrandt in their own image as a solitary, outcast genius — oot just a painter but the painter. For a time, every painting not nailed down was labeled a Rembrandt, apparently on the theory that if several hundred Rembrandts were a good thing, a few hundred more would be even better.

By the turo of the century, experts assigned 377 paintings to Rembrandt, The oumber jumped to 558 in 1906, 606 in 1909 and 711 in 1921.

The rise of art history as a discipline and the practice of connoisseurship spelled the end of the Rembrandt boom market. More research inevitably meant fewer Rem-brandts. On the plus side, gifted painters long relegated to a place in the great man's shadow began to move forward into at least brandt a towering artist also make a half-light. "It's important to state what a ings, sometimes profound ones, that were considered Rembrandts for 200 years."

Perhaps most startling, paintings long assumed to be mature Rembrandts turned

The most important event in reassessing brandt scholars agree more than they disthe artist came in 1969, with the creation of agree. the Rembrandt Research Project, a team of scholars financed by the Dutch government. Its mission was to roam the world, look at every painting listed as a Rem-brandt and, using the latest documentary evidence, technical analysis and connois-

seurship, render a verdict. Sioce 1982, the project has published three volumes of findings to "Corpus of Rembrandt Paint-

ings," covering the years up to 1642. That leaves another quarter century to go.

The seductive idea behind the Rembrandt Research Project was that it would somehow settle the questions of Rembrandi attribution. That has not happened,

In fact, "Rembrandt/Not Rembrandt" at the Met can be seen as an exercise in demystifying the authority of the Dutch group, whose methods have come in for iocreasing criticism.

It is natural that museum officials regard the project with a cool eye. No one likes to have a Rembrandt taken away. But most institutions, faced with a mountain of supporting evidence and painstaking research, bow before the judgments of the project.

The Met, which over the years has dehim a tough nut for connoisseurs. gifted teacher be was and what talented moted 21 of its own Rembrandts, has He constantly experimented with painters were around him," Liedtke said. At least a dozen of them produced paint- ample, changed the labels on two paintings ings, sometimes profound ones, that were from the 1630s, known as the Van Beresteyn portraits, which the Rembrandt Research project has attributed to Rembrandt's workshop.

Despite the appearance of turmoil, Rem-

corpus of about 300 paintings, with perhaps 50 in dispute and many more recognized as non-Rembrandts but still with-

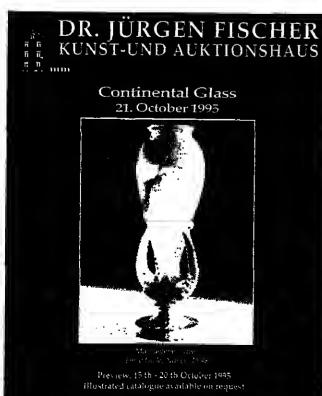
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STILL THINKING ABOUT ART?

Oldenburg's Large Space

By Roberta Smith
New York Times Service

the position that the Pop artist Claes Oldenburg occupied in the fastchanging New York art scene of the late 1950s and early 1960s, when Abstract Expressionism was on the wane and

Guggenheim Museum (through Jan. 14), Oldenburg's breathtaking amount of space.

The catalogue illustrates the popular culture. famous object-filled environ-dents, like "The Street" and "The Store," that Oldenburg erected in such downtown storefront galleries and performance spaces as the Reuben Gallery and the Judson Church on Washington Square.

It quotes at length from diaries and notebooks in which, writing in an often brilliant free-flowing vernacular, he enumerated his fascination with an art that rose directly from the sweaty, sensuous energy of the city's streets. an art at once popular, populist and widely accessible.

"I am for an artist who vanishes, turning up in a white cap painting signs or hallways," several of the most visible ob-Oldenburg once wrote. "I am for sessions in current art: perforan art that grows up not knowing mance, the body, the infantile. it is art at all," he said, an art that you can pick your nose with or stub your toes on."

Especially striking are the Happenings that Oldenburg orchestrated during these years. Rife with strange costumes, movable sets, piles of inchoate stuff and people standing on floor, the images exude an an-

archic energy. They offer a vivid glimpse of distinctions between media are essarily better.

picking through the rubble after these events, looking for new ideas among the surviving fragments and materials.

everything was up for grabs. The Happening photographs
But judging from the thick also evoke a heady time in catalogue that accompanies the impressive if not totally satisfidence engendered by Abstract fying overview of his career at Expressionism was leaking into new areas and the question "What's next?" seemed to polymorphous talent took up a have a hundred answers, many of which pointed at American

> Present in these images as both performers and onlookers are members of the growing 1960s avant-garde: Lucas Samaras, Andy Warhol, Marisol, Les Levine, Bill Kluver, Henry Geldzahler, Pat Muschinski, Oldenburg's first wife, who sewed many of his famous soft sculptures, and the art dealer Richard Bellamy, who in 1962 gave Oldenburg his first uptown exhibition, at the Green Gallery.

UST as relevantly, these images inform the pre-sent they establish Oldenburg as a precursor of several of the most visible obthe grotesque and popular culture, not to mention scatter art and grunge art.

These concerns are variously Carthy, Karen Kalimnik, Sue Williams, Daniel Oates and many others.

At the Guggenheim, Oldenladders or rolling around on the of space, but the accounting of it is tamer and far better behaved than in the catalogue.

Despite an abundance of fine an artist seemingly in love with work from the early 1960s, this the absurd, the excessive, the exhibition traces an increasing-Rabelaisian; whose instinctive ly sanitized trajectory from the inventiveness with materials street to the well-manicured meshed with a penchant for the public plaza. It reveals an artist theatrical and a conviction that for whom bigger was not nec-

"a civilized disease." Some of Organized in concert with Oldenburg's earliest objects, the National Gallery of Art, the like the stuffed canvas skyscrap- show is being billed as an an-EW YORK — It is ers of "Upside-Down City" at thology rather than a retrospechard to reconstruct the Guggenheim, were made for ove. But it is the largest Oldthese performances; others came enburg show ever held. It has out of them: in the caralogue the been selected and beautifully artist writes about carefully installed by Germano Celant, curator of contemporary art at the Guggenheim, and it fills the museum's entire spiral and two large tower galleries.

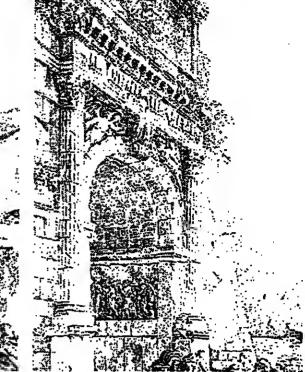
The show is a hurly-burly of sculpture, reliefs, drawings and collages, and even includes rare films of Happenings. One of its best moments is the sleek 1966 environment called "Bedroom Ensemble," an ode to the '50s whose sharp angles, distorted perspectives, faux animal skins and vinyl sheets are all icy sex and overheated style.

The show's final gallery is devoted to models and slides of the large outdoor sculptures and architectural projects based on colossally enlarged everyday objects. Oldenburg has imagined these virtually since the beginning of his career, and has executed more than two dozen of them since the mid-1970s, usu-ally in collaboration with his second wife, Coosje van Bruggen. These projects sometimes cast Oldenburg in a nearly architec-tural role, as with the giant pair of binoculars he designed as the portico of Frank Gehry's Chiat/ Day building in Venice, Cali-

The final gallery suggests the rather depressing idea that Oldenburg has both fulfilled and betrayed his original dreams: making a public, populist art, but one that has lost the sense of catalogue's ahundant pho-tographs, often in color, of the artists as Mike Kelley, Paul Mc-ented immediacy that animates his greatest work. It further suggests that Oldenburg's best public sculptures may be the unfeasible ones that never get burg's talent also takes up a lot off the drawing board, like the colossal Good Humor bar with which, in a beautiful 1967 drawing, he fantasized turning Park Avenue into a dead-end

> The exhibition travels to the Art and Exhibition Hall in Bonn (Feb. 12 through May 12, 1996) and the Hayward Gallery in London (June 6 through Aug.





Charles-Louis Clérisseau's drawings representing the interior of Vesuvius and the Arch of Titus are on view at the Louvre.

A French Architect's Implausible Story

ARIS - Few stories are quite as Panini. strange as that of Charles-Louis projects for neo-classical buildings bought by Catherine the Great of Russia are on view in the Louvre, on loan from the Hermitage, until Dec. 18.

With its mix of passion and cynicism spiced with shady art deals, churchmen on the take and nonchalant British spies basking in the luxury of Tuscany and Rome, it is almost ton much to be plausible. And yet, it is true.

Very little is known of the early years of the 24-year old Parisian who reg

SOUREN MELIKIAN

istered in 1745 to study at the Académie d'Architecture under Germain Bofbrilliant. Clérisseau was finishing his second year when he was awarded the immensely coveted Grand Prix for the project of a townhouse, so far uo-

As he left in June 1749 for the Palazzo Mancini in Rome where laureates could speod two to three years on a schol-But it did not. Relations between young Clérisseau and his superiors turned sour. promising architect walked out of the Palazzo Mancini in a rage without no-

The reason for his anger is not known. It does not appear to have involved

A hard worker who had imbued himself with the rules and ornamental reperconnoisseurship and the way in which Académie de France by Giovanni Paolo

Natoire produced about that time a Clérisseau, whose drawings of study, very closely related to Cléris-ancient Roman monuments and seau's view of a crumbling rotunda, presumably using one of the young ar-chitect's drawings, several of which were widely circulated in Rome.

That kind of borrowing, which was common practice, was not considered plagiarizing. It cannot have triggered the row. Its origins must therefore be sought in Clérisseau's life and, more specifically, in the network of acquaintances that he began to build up while a student.
A letter dated Sept. 27, 1754, within

months of his leaving the Académie, shows that the French architect was dealing in antiquities and operating as a middleman for Horace Mann, the British envoy at the court of Tuscany. The buying and selling as such would frand. He appears to have been deemed not have been perceived as wrong. It was part of the process of acquiring knowledge, and concerning that, no one would question Clérisseau's wholehearted search for it.

The problem was that Mann's interests did not stop at art.

His house in Florence, as described by Sabine Cotté in a brilliant essay, was arship, fortune seemed to beckon to him. a stopover for British aristocrats on the He chafed under the discipline imposed center — His Majesty's government at the behest of Charles Natoire, the new was keen to find out what the Stuarts in director of the Académie who was ap- exile in Rome since 1713 and the Jafriendly to France, oor was it -- Britain, in league with Austria, was on a col-

lision course with France. But to Clérisseau, Mann was a godsend. As early as February 1755, the British diplomat gave the architect a glowing introduction to Cardinal toire of ancient Roman art, Clérisseau Alessandro Albani, pointedly noting in was greatly admired for his antiquarian his letter that Clérisseau was "separated" from the French. The cardinal he applied to it the principles of a single was a useful man to know in a country focus perspective as taught at the where stringent laws regulated the ex-

port of antiquities. A nephew of Pope Clement XI and a cardinal since 1718, his wishes could not lightly be ignored by the superintendents of antiquities at were symmetrical scrolling designs. the Varican — whether the Abbot These almost certainly gave rise to the Rudolfino Venuti or the German art historian Jobann Winckelmann, who succeeded Venuti in 1763.

In addition to informing Mann on Jacobite activities in Rome, the cardinal made sure that the Roman works of art neo-classicism, this time through one of admired by friends of his friend did not come to any grief on their way to Britain.

Albani was also friends with Baron Philip von Stosch. The baron, also a British agent, in turn was a friend of Winckelmann and an ace collector of Roman antiquities. Clérisseau and Winckelmann got on like fire. And so it was that Clérisseau became involved in the great Villa Albani project.
The cardinal, who had directed ex-

tensive digs on Roman sites, had sold his first "collection" to the king of Poland in 1728, and a second collection to Pope Clement XII in 1734. From about 1760. be built up a third collection — for himself. To have it installed in style, the cardinal commissioned the construction of the Villa Albani. It was Clérisseau who integrated the pieces into the ar-Grand Tour, a meeting ground for strik-ing deals and an intelligence-gathering berated throughout Europe and left its mark on British country houses.

director of the Académie who was apexile in Rome since 1713 and the Japointed in 1752. Late in April 1754, the cobite party around them were up to. channel. In September 1754, the icy and final reply to Clérisseau who The French did not see such a place as Frenchman met Robert Adam in Florence, almost certainly through Mann. Seven months later, he signed a contract to direct Adam's team of artist's and designers.

Adam and Clérisseau traveled together to Dalmatia where Clérisseau conscientiously sketched Diocletian's palace in Split. Several of his drawings were eventually engraved by Adam in "The Ruins of the Palace of Diocletian," printed in London in 1764, although Clérisseau's name does not appear.

Now, among the decorative panerns that Clerisseau devised on the basis of his sketches of classical architecture, quintessential Adamesque scrollwork however lighter these may appear than the rigorously structured motifs of Clérisseau.

Clérisseau also influenced German his pupils, Friedrich Wilhelm von Erdmannsdorf, who studied under him in Rome from 1765 to 1767, eventually became one of the leading figures in the movement.

Clérisseau's reach went even further east. In 1778, Catherine the Great who had earlier commissioned plans for a palace which proved unusable because of their gigantic scale, approached Clérisseau through her Paris agent Friedrich Melchior von Grimm, offering to acquire his portfolios of drawings and projects for a vast amount. The sale went through.

Clérisseau sent additional unsolicited drawings including those of a huge "Museum" which are in the show. And

he kept sending more. Eventually he had to be firmly shaken off. Undaunted, he caused a public scandal in Paris at a reception given in honor of the "comte du Nord," the son of Catherine the Great. Clérisseau insisted But Clérisseau's influence on Britain on talking to the prince. "I have nothing stood in his way.

Clérisseau very nearly left a mark on America, ton. In 1785, Thomas Jefferson, the U.S. envoy to France, consulted with the architect about a project for the Capitol in Richmond, Virginia. A modest, very modest artist as a draftsman, Clérisseau who loved Roman antiquioes so passionately, exercised a surprising influence that is only oow beginning to be fully assessed. It had a lot to do with his way of seeing things and very linle with his talent as a creator.

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BOOKS

MRS. TED BLISS By Stanley Elkin, 292 pages. \$22.95. Hyperion.

Reviewed by Michiko Kakutani

MOST Bildungsromans are first novels, debut efforts that trace a youthful hero's y journey toward independence and self-knowledge, while ratifying the author's own coming of age. "Mrs. Ted Bliss." the late Stanley Elkin's elegiac new novel, is something of an exception. Not only is it the au-thor's 17th and final book, but it also features an elderly heroine who has only begun to come into her own in her 70s.

By turns hilarious and heartbreaking. "Mrs. Ted Bliss" stands as both Elkin's most affeeting novel and as a wonderful capstone to a distinguished and eloquent career.

Elkin — who suffered from multiple sclerosis for many years and who died last June, shortly after completing this novel - tended, in the past, to focus on characters who were modern-day Jobs, characters of Miami, nothing stays the whose very plights seemed to challenge their creator's antic Bliss soon finds the winds of challenge their creator's antic wit and hyperkinetic prose: the sick, the lame, the dying, the

unlucky and the doomed. "The Magic Kingdom" of terminally ill children who are given an all-expenses-paid trip to Disney World. "George Mills" (1982) depicted a dying woman's efforts to go to Mexico for lactrile treatments. And "Her Sense of Timing" (1993) featured a hero who was con-- fined to a wheelchair and de-

serted by his wife. heroine, Mrs. Ted Bliss, shares none of these dire problems. At 70-something, she's still in remarkably good health. She lives in an immaculate condominium in Miami, where there are plenty of pleasant distractions: hingo games, huffet suo- ground, Elkin has grounded her

nights. For that matter, Dorothy Bliss has spent the better part of her life enjoying "long-term pampering privileges" that lent "some spoiled, complacent and self-forgiving pinkish aura to her life and perceptions." The death of her husband,

Claes Oldenburg at the Guggenheim: An artist in love with the absurd, the excessive.

however, has turned Dorothy Bliss's life upside down. She has suddenly become "a candidate for death by heartbreak."

All at once, the small, daily chores Dorothy loved doing have become Herculean tasks. She realizes she has lost ber enthusiasm, lost her looks, even lost her hearing. Sometimes she cannot tell whether she has said something out loud to someone else, or simply thought the thought silently to herself.
Dorothy, Elkin writes, "had

passed over into a new state of being, existed on a plane different from grief, out of reach of cumulate time's ministering comforts and platitudes." She "had lost not only husband and family and self and appetite" but 'all urge and interest," as well.

Still, in the brave new world change sweeping through her own quiet life. After a wealthy neighbor gives her \$5,000 for her late husband's Buick, she is (1985) told the story of a group suddenly plunged into a series of incongruous adventures: she begins psychotherapy sessions with a doctor who seems to have mysterious underworld connections; she receives some hot tips on the local jai alai games from an informant, and she remakes the acquaintance of her husband's former business partner, a shameless but At first glance, Elkin's latest exuberantly charming con man by the name of Junior Yellin. In Junior, Dorothy discovers the first real friend she has ever

> Although some of Domthy's adventures are decidedly unusual for a woman of her back-

and more of her friends succumb to infirmity and age. She must come to terms oot only with her own life, but also with the inevitable losses that define the human condition.

As usual, Elkin's language - rich, musical and playful,

Room 5 at 2 p.m.

pers, card parties and theme story in meticulously observed on Yiddish - serves as a kind descripcions of Miami, and in of roomentary stay, a protest, wholly palpable descriptions of against these implacable facts the daily rhythms at Dorothy's of mortality. In "Mrs. Ted apartment complex. Even as Bliss," he has used that remark-Dorothy begins a vigorous new able language to create one of life in her 80s, she sees more the most vivid and sympathetic heroines to come along in a long time and to tell a tale that sums up all the qualities that have distinguished his fiction from the start, a tale that's sad, funny and redemprive all at once.

> Michiko Kakutani is on the like that of a Joyce who grew up staff of The New York Times.

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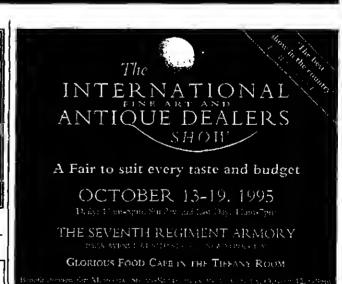
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Next Steps in Balkans

In the most significant step yet toward ending the 42-month-old Bosnian war, the two sides have agreed to a cease-fire beginning next Tuesday. That is to be followed two weeks later by the start of intensive negotiations in the United States, conducted through American intermediaries. These negoriations are meant to prepare the way for face-toface bargaining at a peace conference in Paris, and the completion of a formal peace treaty.

There have been cease-fires in Bosnia before, all quickly broken, and this one could also prove ephemeral. But this is the first time the parties have agreed to break off the fighting in the context of a mutually accepted framework for final peace.

Having come this far in brokering a Balkan peace, the United States is ohliged to take on a significant share of the peacekeeping operation that would follow a successful Paris conference.

The Clinton administration, which has long endorsed the use of American ground troops for this purpose, has been quietly developing plans for doing so. It needs to bring Congress and the public into these discussions without further delay.

The Senate majority leader, Bob Dole. long an advocate of more aggressive U.S. military support for the Bosnians, now seems inclined to oppose an American role in peacekeeping, even though the Bosnians fear making peace without Americans there to uphold it. Washington cannot credibly exert the kind of international leadership Senator Dole demands if it walks away from monitoring a Bosnian peace agreement,

That said, it is also necessary for the administratioo and Congress to make sure that the limited mission of supervising a peace agreement does not become something more, like refighting the Bosnian war.

The way to do that is to define the military mission precisely at the outset. establish clear lines of political responsibility and military command and provide adequate force to do the job. These points bear underlining because the original United Nations peacekeeping force in Bosnia was put together without adequately considering any of them.

Fortunately, the peace maps now under discussion, based on a division of Bosnia along militarily realistic frootiers, lend themselves to a manageable peace-keeping mission. The Clintoo administration envisions a NATO-led force consisting of as many as 50,000 troops and

serving for approximately a year.

The United States would contribute between a third and a half of the NATO troops. There would also be soldiers from non-NATO countries, such as Russia, whose participation is important to a viable peace. These troops would serve under the overall authority of the NATO commander but would remain opera-

The overall size of the peacekeeping force must be large enough to protect its members and to deter violations. A rigidly fixed date for withdrawal is not practical if the main goal is to make sure that the peace agreement takes hold. But setting dates for reassessing the mission's progress and prospects would be a good idea.

Peacekeeping in Bosnia should not represent a return to the old Cold War model of American ground troops making a disproportionate contribution to Eu-

ropean security.
Instead, it should represent a step in the transition to something more equitable. In the near future, the military forces of a united Europe should be able to take on expanded responsibility for extinguishing local European con-flicts. A successful Bosnian peacekeeping mission can help speed along this

-THE NEW YORK TIMES.

U.S. Must Pay Up

the United States is having with itself over its international role has passed beyond the point where others wait pa-tiently for Americans to make up their mind. Delay in paying its bills is prompting visible irritation among the country's oldest allies. Washington's \$1.4 billion debt and the cover it provides for other deadbeats are having a terrible effect on the world body.

Worse, this performance undercuts the American capacity to bring about the very reforms the public regards as a necessary (but not sufficient) condition of paying up. The allies' and others' mood was not improved when, breaking the rules, the United States unilaterally legislated itself a lower oudget share, from 31 to 23 percent, it took effect just this past week.

The United States has a long record of taking out its foreign policy frustration by slow paying at the United Nations. Two special factors aggravate things now. There is a terrific budget squeeze in Washington. And the Republican Congress is ardently attacking what it sees, and exaggerates, as the Clinton administration's wrongheaded fascination with

Last year, a Democratic Congress grumbled but financed American UN

payments with a regular appropriation and then a supplemental one. This year the appropriation is down, and there is no supplement. That leaves Washington \$700 million short — a gap the British foreign secretary protests as American "representation without taxation."

There is a more constructive approach to the UN budget. The United States is pushing for reform, which includes trimming the bureaucracy and strinking special agencies on the development side. But Americans can hardly expect a full hearing for reform appeals if the country does not pay its bills.

Meanwhile, the too-ambitious post-Cold War involvement in UN peace-keeping that Bill Clinton inherited from Ronald Reagan and George Bush is tail ing off. Operations are ending in Cambodia and Somalia, in Angola they are being restricted and in Bosnia they are being shifted to NATO. "Multilateral-ism" is an increasingly stale epithet. Republican conservatives should be the first to embrace a more chastened model

of UN peacekeeping.
This model, as Warren Christopher says, advances American interests without forcing U.S. troops to take all the risks or

U.S. taxpayers to foot all the bills. -THE WASHINGTON POST.

A Willful Waffler

Democracy-starved Nigerians have just received word from their latest military ruler, General Sani Abacha, that he can't bring himself to give up power anytime soon. Oh, be's going, be said. But only after his newly designed transition program gets the country ready for full democracy. Nigerians have been hearing such promises for most of the 35 years since independence, so they shouldn't hold their breath for Election Day. According to General Abacha's timetable for civilian rule - which be unveiled this past week with a presumably straight face - the military regime has been awarded another three-year run in office until Oct. 1, 1998, when an elected president will be

allowed to take over. It can't be said the general doesn't have a sense of burnor. With nearly two years under his belt as Nigeria's strongman, General Abacha has evidently grown comfortable with the perquisites of office. Since the annulment of the 1993 presidential election, he has talked up a storm about the restoration of democratic rule, all the while presiding over affairs of state with an iron fist. Political opponents have had a way of becoming political detainees. Newspapers have lost their voices. State legislatures have been put out of business and political activity has been banned all after he seized power. The general's

preferred method of administering justice is still through secret military tri-bunals. Yet, to hear General Abacha's representatives tell it, the head of state yields to no one in his yearning for civilian rule. Right.

Foreign governments have every reason to be distrustful of the Nigerian government's word. The history of military rulers and democracy in that sub-Saharan country is one of bold pledges and broken promises. Even now, General Abacha, while dangling the charm of military disengagement and lifting the ban on newspapers and political activity, has left himself an opening for sticking around beyond his announced departure day. He said that his regime would pack up and leave on Oct. 1, 1998, as promised, but that "the duration of the unetable [for the transition) will be determined by the time required to complete each phase of

the program." Now, that's a waffle. International pressure, which has been building on General Abacha's regime, should not let up. There are steps the military can take to demonstrate it is ready to go. Political prisoners can be released from jail, sentences commuted and the new three-year reign drastically shortened. The pressure should be aimed toward these results.

-THE WASHINGTON POST.



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If Politics Pushed Clinton to Act on Bosnia, So Be It

WASHINGTON — Few clichés are as dear to American politicians as the claim that politics stops at the water's edge. But good politics can be good for-eign policy. Bill Clinton is proving that the public and himself as a policy wonk.

The president's muscular intervention to get a cease-fire in Bosnia after two years of dithering owes a lot to events on the ground. When Croatia's summer blitzkrieg shattered an overextended Bosnian Serbian army, Mr. Clinton saw his chance and took it.

But senior administration officials also point to an uncharacteristically forceful presidential directive to them to "bring clarity" to the Bosnian crisis before reelection campaigning engulfs Mr. Clintoo early next year.

They admit this campaign-driven directive was a major factor in a new Amer-

If this activism is both sustained and productive - an enormous "if." I admit it will cast a new light on the water's edge adage and on this president, who

ican activism on Bosnia that has not yet

By Jim Hoagland

Wrong. Mr. Clinton is a politics wonk. Politics - partisan and personal energize, inspire and focus Bill Clinton in a way that the detached decision-making of foreign affairs (and many other things) does not George Bush was in fact the ultimate policy wonk, disdaining and ne-glecting the political effect of his foreign policy successes and failures.

The shaping of foreign policy by domestic politics is a dangerous enterprise. It invites neglect and indecision ooce the votes are counted, as the Clintoo administration's conduct since 1992 has showed. The national interest can be subordinated to the moods and needs of the day. Like most clichés, the water's edge image contains some truth.

But the political roots of Mr. Clinton's taking charge on Bosnia are not a cause for shame. Even we fureign policy purists have to admit that there are moments

when the imperative of political survival can power the national interest. Churlish press commentary portraying Mr. Clinton's Bosnian turnabout as one giant spin-

control operation miss the point.

The chance to hem in Senator Bob Dole and other critics on Bosnia has at last given Mr. Clinton a passion and a drive on a foreign crisis that help stop the crosion of American leadership in global affairs at least temporarily. That is a salu-

tary consequence. Secretary of State Warren Christopher is to testify on Capitol Hill four times this coming week as the administration unveils its ambitious campaign to build congressional and public support for a policy that includes a major American role in a peace implementation force in Bosnia and in the economic reconstruction of the former Yugoslavia.

The administration will seek approval for 20,000-plus U.S. soldiers and about \$250 million in reconstruction aid as part of its carrot and stick approach to getting and maintaining a cease-fire. The United States, joined by President Jacques Chirac

of France, is strongly warning Croatia, Bosnia and Serbia that they will get no aid and will be kept out of the European Union if they are responsible for sabotaging this cease-fire effort.

Senator Dole has led the campaign to lift the arms embargo on Bosnia. But he has said little as Defense Secretary William Perry has outlined the administration's plan to train the Bosnians and help them use the cease-fire to establish

equilibrium" on the battlefield.
Mr. Christopher will expand on Mr. Perry's comments, telling Congress that the Bosnians made clear to the U.S. special envoy, Richard Holbrooke, that they would not accept a cease-fire or go to a peace conference without the commitment from Washington to belp level the battlefield.

Better were it done two years ago. Better were it done as part of a grand strategic design. But if it takes the pressure of politics to get Mr. Clinton to show this kind of leadership, let us be thankful for politics making it happen at all, and beyond the water's edge.

Washington Post Writers Group.

A Struggling UN Must Now Appreciate the Art of the Possible

NEW YORK — There are many structural changes and personnel reforms that could and should be made within the United Nations system to improve its efficiency. But ultimately the qual-

we are prepared to pay for it. It is important to appreciate the size of the sums involved. The core functions of the United Nations — its headquarters in New York; offices in Geneva, Vienna and Nairobi, and the five regional commissions — cost just \$1.2 bil-lion a year. In 1994, the annual budget of the New York Police Department exceeded that total by \$600 million.

The number of staff needed to of \$18.2 billion. run the UN's core functions is around 10,700. Australia's capital, Canberra, employs some 22,000 people on the public payroll.

The cost of the UN's peace

operations last year — in Cyprus, the Western Sahara, the former Yugoslavia and 13 other locations — was \$3.2 billion; less than the amount it takes to run three New York City departments (police, fire and prisons).

all the related programs and organs and you have a total staff of around 33,000 with a budget (including both assessed and voluntary contributions by member

sounds like a lot but it's not quite so much when you consider, for example, that the annual global ity of that system depends on what turnover of just one international accounting firm, Price Water-

house, is some \$4.5 hillion. Go further, and add to the core functions and related programs all the other specialized programs and agencies of the entire UN family - including the Food and Agriculture Organization, the World Health Organization, the World Bank and the International Monetary Fund - and you have a staff of 61,400 and an annual cost

That may sound like a lot of people, but it's not wheo you consider that more people than that 65,000 - are employed by the three Disney theme parks in Cal-ifornia, Florida and France. Three times as many people, 183,000, sell McDonald's hamburgers around the world as work for the UN system

And \$18.2 billion might be a lot of money, but just one major Add to the UN's core functions multinational corporation, Dow Chemicai, which happens also to have 61,000 employees worldwide, has an annual revenue of more than \$20 billion.

By Gareth Evans states) of \$6.3 billion a year. That lems are put into this kind of perspective, the solutions do not look quite so hard. Surely the 185 member states, with their combined annual defense expenditure alone of some \$767 billion, can find that kind of money. Of course, the issue of paying for the UN has become critical because of the unwillingness, or inability, of so many member states (in-

cluding some of the largest) to pay their assessed contributions. There is a short-term problem that can and should be solved within the UN system by allowing the UN to borrow from the World Bank. Yet there is also a longerterm problem that does not look as though it will be solved, however much UN members continue to work at adjusting the assessment scales, exhorting laggards to pay up and reminding them of the

It is, therefore, time to look again very seriously at the options that exist for supplementing contributions from member states by external sources of finance. The practicability of collecting a levy on every one of the annual foreign exchange transactions, worth about \$300 trillion, remains to be

consequences if they doo't.

consequences, it would generate \$3 billion a year. This levy may be difficult to police and collect. Yet we know that if airline passengers were taxed just \$10 dollars for every international sector flown, which would be easy to collect, it would also yield \$3 billion, nearly the whole annual cost of UN

peace operations. There are other revenue options that have, to a greater or lesser extent, the same link with UN costs that these do. They also involve transactions that are international, take place within a framework of law and cooperation provided by the United Nations and can be harmed by a breakdown in global peace and security.

In the past, objections of principle have been raised against any such talk. Member states, it has been said, should themselves own the UN system; if the UN Secretariat had direct access to revenue from nonmembers, who knows what adventures it might be inclined to get up to.

But ownership and control are completely separate issues. The UN operates on a sovereign equality principle, which means, when the UN's financial problevy of just .001 percent were that presently pay between them Herald Tribune.

struck, which hardly seems likely to have any significant economic regular budget should under no circumstances have greater authority over how it is spent than the overwhelming majority of members that each pay much smaller proportions of the total.

Surely, whatever the funding sources involved, the crucial question is how and by whom the money is spent. It is absolutely vital that there be appropriate control of funds by member states, with proper mechanisms for accountability. However, that does not mean that those member states should themselves have to provide all the funds in the first place.

The time is right for the secretary-general to convene a highlevel advisory group with an ex-plicit mandate to think through what has hitherto been somewhat unthinkable — how to fund the UN system in a way that reaches out beyond the resources that member states are prepared to directly put into it.

The parameters of the debate must change. But for that to happen, the UN needs an authoritative new statement of the art of the possible.

The writer is the foreign minister of Australia. He contributed

Memoirs Indicate the Voters Can Forget a Powell-Perot Party

By William Safire

WASHINGTON — If Bill Clinton ever gets the urge to let Jimmy Carter meddle in foreign affairs again, he should read this passage in "In Confidence," the just-published memoirs of the former Soviet Ambassador Anatoli Dobrynin:

"Jimmy Carter paid me an unexpected visit on January 30 [1984] to voice concern at the extent of Reagan's arms buildup." To undermine U.S. secret message to Moscow: "The former President was 'utterly convinced' that there would not be a single agreement on arms control, especially on nuclear arms, as long as Reagan remained in

Nice to know that our embit-

tered former president tried to get of what Mr. Baker thought of the Evil Empire to disbelieve his successor's demarche. But that's only one of the insights in this

season's memnirs. Bush Secretary of State James Baker writes: "In mid-October [1990], Colin Powell telephoned me and said, 'I'd like to have a little private chat with you.' Since Powell had asked that the peace overtures, Mr. Carter sent a meeting be private, I respected his wishes and dispensed with my usual custom of informing [Secretary of Defense] Dick Chency

of any such contacts." According to Mr. Baker, the Chairman of the Joint Chiefs circumvented the Pentagon's civilian chief to "get a better sense"

putting military-diplomatic pressure on Saddam Hussein.

If true, this would portray General Powell on a devious end run, because, as Mr. Baker puts it, "he knew that I had a close personal relationship with the president." Mr. Baker protests too much:

"Some have suggested that Powcll and I knew that we were both opposed to the use of force and that he was soliciting my help,

which he denies. Poor Secretary Baker, duped again into thinking he was some-one's confidant. When I read this passage to two men who were assistant secretaries of defense at the time - Richard Perle and

had fully informed Secretary Chency of the "private" meeting with Mr. Baker.

Reached in Dallas, Mr. Chency says he doubts that General Powell kept talks with Mr. Baker

Which brings us to 'My American Journey,' General Powells's memoir, in which the potential candidate for president refers to Mr. Armitage throughout as 'my brother and bodyguard," "confidant," "ever-resourceful," 'friend of the heart."

This personal warmth in the general's life story certifies Rich Armitage as General Powell's most intimate associate. They were comrades in Washington's bureaucratic wars; they consult to-day. If General Powell ever becomes president, you can expect the gruff, outspoken Mr. Armitage to be secretary of defense or White

House chief of staff. Now let us add a political dimension to that closeness in General Powell's memoir. Mr. Armitage, years ago, dared to cross Ross Perot on the matter of Vietnam MIAs and POWs.

The vindictive Mr. Perot put his head together with the radical leftist Christic Institute, which had sued Mr. Armitage for being a drug- and gun-running CIA operative in some vast conspiracy. The suit was thrown out of court and the complainant fined. Mr. Perot later took some of those

Richard Armitage — both told me phony allegations to the FBI; its they believed that General Powell inquiry cleared Mr. Armitage. But when his perceived arch-

enemy was nominated to be secretary of the army, Mr. Perot dragged out all the discredited charges. Mr. Armitage went to see his tormentor and tells me he heard another smear about a Vietnamese woman be knew a generation ago.

Mr. Perot's abuse did not let up; Mr. Armitage withdrew his name, though he later took am-

bassadorial assignments. That searing experience may be why Mr. Armitage is now ad-vising his friend not to expose himself and family to the rep-

utational rigors of a campaign. Here theo is Mr. Perot, who General Powell told friends is a nutcase, talking to the general about his Independent Party. And General Powell pretends to listen. Forget it.

Memoirs demonstrate that General Powell and Mr. Armitage are best friends; I know that Mr. Armitage and Mr. Perot despise each other; and any political deal between General Powell and Mr. Perot would reflect disloyalty and dishonor on General Powell, a man who reveres loyalty and bonor.

"How profoundly burnan na-ture and indeed human relations affect the outcome of events," writes the Communist memoirist Dobrynin.

How true, Anatoli. New York Times Service

IN OUR PAGES: 100, 75 AND 50 YEARS AGO

1895: Chinese Revolt

PARIS — The Mohammedan revolt, which is attaining such se-rious dimensions in Kansu and adjoining provinces, writes a correspondent of the London Times. of the Soviet rulers, when they see is the latest of a series of civil wars between rival religionists. In its main features the present revolt recalls many of the incidents of the Mohammedan rising of 1862, which lasted for some 17 years, and at one time threatened to alienate permanently from the rule of the Chinese an enormous part of the western dominions.

1920: Treaty at Riga

PARIS — [The Herald says in an editorial:] Whether a Bolshevist or an anti-Bolshevist Ukraine shall emerge from the present chaos in Central Europe depends, according to the chief representative of Bolshevism in Paris, upon the terms of the peace to be signed to-

which would leave Soviet Russia free to combat the anti-Bolshevist movements within the former boundaries of the Empire would be an evil rather than a good. Unless a limit is placed on the power for evil themselves again well prepared, they will be likely to inflict greater damage upon the world than they have already done.

1945: Sun Time Again LONDON --- For one hour tonight

[Oct. 7] the Westminster chimes and sonorous tones of Big Ben were stilled while Great Britain reverted to Greenwich Mean Time for the first time since February 1940. Shortly before 10 o'clock Charles Williams, the attendant of the famous clock, mounted the 374 steps of the clock tower to stop Big Ben while the earth spun on around so that today Great Britain is back on sun time again after five and one-half years of summer time morrow [Oct. 8] at Riga. A treaty and double summer time.

Justice in L.A.? You Must Be Mad

NEW YORK — The district attorney of Los Angeles, Gil Garcetti, issued a warning soon after the O.J. Simpson verdict was read. "Doo't wait," he said. "If you wait, it could be too late,"

He was offering advice to women in abusive situations. He could have been talking to the United States at large. We Americans need to take steps to correct our deteriorating condition. As a society, we are in deep

and dangerous trouble. Last Tuesday we saw the de-grading spectacle of men, wom-en and children, most of them black, some in churches and schools, furiously celebrating the Simpson verdict. It was a collective dance on the graves of two innocent people, and a stunningly inappropriate response to the acquittal of a wife-beating. world-class athlete who spent at least some of his time running

with the demons of the night. We also listened to the explosion of race hatred, most of it from whites, that lit up the lines of talk radio. The babbling and ranting had the scent of manure about it and could have been scripted by the racist detective Mark Fuhrman.

of America at the tail end of the Century of Progress. We are living in a land that has lost its reason. Even our supposedly sensible citizens have slipped out of touch with reality. From them

Welcome to the United States

By Bob Herbert

the verdict had not been just as if anyone with an IQ higher than an avocado's could have possibly believed that that trial, that gaudy, big-budget Holly-wood marathon, that unabashed embrace of murder as entertainment, could have had anything to do with justice.

Tens of millions had watched for months as the defense lawyer Johnnie Cochran strutted like a peacock in his Technicolor suits. The prosecutor Marcia Clark playing, like the others, to the television audience — was graded on the length of her skirts and the quality of her coiffures. Judge Lance Ito was slurred on national radio by a U.S. senator for not keeping the spectacle maving at a sufficiently entertaining clip.

It was not a trial; it was theater of the grotesque. Brian (Kato) Kaelin was able to move his dim-bulb persona and shaky relationship with the truth from the witness box to the national celebrity circuit. Mr. Fuhrman, who has never heard of the truth and who believes all black people should be burned, opened the door to a thorough airing of the word "nigger." Mr. Cochran gave us kindergarten poetry: "If

it doesn't fit, you must acquit." Justice? You must be mad. In the end, the jury consisted of the last warm bodies Judge Ito could keep his hands on. They would have denied Bill Clintno was came an outpouring of appar-ently heartfelt complaints that ten them out of the hotel. president if that would have got- to be done. Soon.

whites of another backlash against blacks. There is talk now among blacks that the freeing of O. J. Simpson was payback for centuries of humiliation at the hands of whites. Both discussions are destructive and absurd. But you can feel the hardening of racial attitudes on all fronts. At the same time, the criminal justice system is in crisis, its credibility at a new low, its prognosis bleak. Evidence of police

brutality, racism, false arrests,

perjury and falsification of ev-

idence is emerging from many

There is talk now among

venues. In high-profile cases, where the aura of celebrity and the power of money are joined, the chances of conviction are getting perilously close to nil. Given our penchant for denial we are likely to underestimate the gravity of these problems. A society rent along racial lines, in an overheated atmosphere in which both sides lack confidence

headed for catastrophe. It is a time for men and women of courage to assert themselves, to try to find a way to bring together people whose ignorance of one another is profound and whose hatreds are intensifying. Men and women of goodwill are also needed to begin reconstituting the disaster we

in the justice system, is a society

call a criminal justice system. This is not work for the faint of heart or for people who need the constant affirmation of their peers. But it is work that needs

New York Times Service

TRACKINGFELECOMS

THE BEAUTY AND BEAST OF COMMUNICATIONS

Broadband vill be the backbone of the information superhighway.

oadband is the beauty and the beast of global telecommunications in the 21st century. On one hand, everyone grees broadhand will ope up seemingly endless

new possibilies for lele. ammunications product and services. On the other hand, p one seems quite sure how to tame i

Broadband- the catch-all term that refers to the able, wire or wireless transmission of multiple frequencies of more than! million bits per second - is widely vewed as the cement that will bind the onvergence of communications and omputing.

Broadbandwill be the backbone of the global information superhighway, the "fast lane" that will be capable of carrying the tigher capacities needed for multimeca to move from network to network abund the world.

After all, :few spoken sentences, a couple of bas of a pop song or a mere three secons of video require the same amour of bits for transmission as a fat nove.

A global swerhighway

It seems had to believe that the National Infornation Infrastructure, U.S. Vice Presidnt Al Gore's initiative for an "informtion superhighway" for the UnitecStates, was launched a mere two yars ago. As an outgrowth of the NII, te Group of Seven has begun working toward a Global Information Infistructure. The GII, in theory, will pemote the democratic, freemarket invenient of information throughouthe world, with protections for free spech, privacy and intellectu-

The leading industrialized countries are in geeral agreement that they

should have broadband networks, that those networks should be built and maintained by private interests and that those networks should be able to "talk" to each other – which is why the development of technical standards is so important.

"Achieving the full benefits of broadband technology will require fundamental re-engineering of many commercial information-handling processes," says Neal Seitz. the deputy director for systems and net-works at the U.S. Department of Com-merce Institute for Telecommunica-

"Implementing these fundamental changes will be a major challenge for planners and workers in informationintensive industries. Telecommunication service providers will need to do a much better job understanding user application needs to make this re-engineering process effective."

Billions at stake

The billion-dollar question - for many companies, tens of billions may be at stake - is how broadband actually will be delivered to homes, businesses and institutions: over telephone lines, via cable or by satellite signals. Who will spend the money to build broadband networks, and how will they profit from those networks?

The big telecommunications carriers are the obvious candidates, assuming their national monopolies are deregulated to allow them to compete in each other's markets – and to allow outsiders, including satellite and cable

companies, to compete, too. Combined with the convergence of computing and communications. deregulation has triggered a wave of

Cominued on page 10



Broadband Communications

The next technological wave aims toward integrated broadband services, which will provide high-quality and interactive multimedia services, with ATM as the lead technology. North America, Europe and Asia-Pacific are rushing to develop an ATM broadband infrastructure as the backbone of an information society.

Inside

Page 10 Doctors and dinosaurs

Page 11 Global Information Infrastructure **Pricing strategies**

Page 12 United States: Building the NII Europe's ATM Network

An IHT/ETSI initiative.

TODAY'S KEY PLAYERS: STILL ON TOP TOMORROW?

Data-communications and telecom companies launch the ATM offensive.

Enormous research and development resources are needed to develop and manufacture the equipment at the core of telecommunications infrastructure. This has resulted in the consolidation of the industry, from 20 or 30 companies in the late 1970s to a handful of players today. They include Alcatel, Ericsson, Nortel, Siemens, Fujitsu and NEC.

Technology is affecting telecommunications more than any other single factor. Developments since the early 1980s, when optical fiber was first demonstrated as being economically viable, have been more rapid and profound than ever before in the history of telecommunications. It could be ar-

gued that in terms of price/performance, many of the elements of mod-ern telecommunications systems are improving faster than the integrated circuits that revolutionized the computing sector.

The new challengers It is possible that the analogy of the computer industry will have further resonance. Companies that led the industry in the days of the mainframe have not fared well in the new era of democratic, distributed computing. It is newcomers Microsoft and Intel who have risen from start-up to market

Continued on page 12

CREATING THE STANDARDS TO FULFILL ATM PROMISE

ATM offers the possibility of seamlessly integrated communications.

Asynchronous Transfer Mode offers two unprecedented advantages. ATM is the first transmission technology that is able to cope with voice, data, video and image traffic with equal facility and that is suitable for communications to the desktop, across local and wide-area networks, and for use on public and private infrastruc-

It uses fixed-length (53 bytes) cells that are routed across a network connected by ATM switches, and it combines the best features of circuit and packet switching - that is, guaranteed bandwidth efficiently used. Naturally, this promise of seamlessly integrated

communications can only be fulfilled if the necessary standards are in place. Given ATM's scope, this is a major undertaking.

History of ATM

ATM grew out of the work done on B-ISDN (Broadband Integrated Services Digital Network), which began in the mid-1980s, George Dobrowski, director of broadband signalling and switching technology at Belicore, says that in summer 1989, having looked at a number of options, the CCTTT (now the International Telecommunication

Continued on page 12

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BROADBAND COMMUNICATIONS

WHAT DO DINOSAURS AND DOCTORS USE IN COMMON?

From Jurassic Park to surgery rooms, multimedia is all the rage.

L he doctor peers at the X-ray before prepping a patient for surgery. It is an everyday event in a hospital, but here the senior doctor is examining the Xray on a computer monitor connected telephone to his protegé's cumputer 500 kilometers (310 miles) away. If necessary, he could lead his junior colleague through the actual surgery. This is "tele-medicine," one of many new

videoconferencing applications.
Linked by ISDN Basic-Rate Interface (BR1) lines, users with desktop PCs equipped with FlipCams can conduct meetings and share files as if they were in the same room. The hardware connector contains a "codec" (coder/decoder), switcher, audio mixer and software algorithm. The video interface is connected to a digital PBX or directly into a LAN. Recent advances support multipoint connections even if participants use dissimilar video equipment, digital transmission speeds or network-transport services. Sites can even be connected by satellite via the GBVS network.

Voice Activated Switching less participants see the speaker, who sees the previous speaker, "Chair Control" lets a participant request or relinquish con-trol, choose the broadcaster or drop a

participant. Videoconferencing is rapidly becoming integral to the business world. "Soon it will be so integrated into your workspace that it will be an everyday tool," says industrial analyst Sara Dickinson of Personal Technology Re-

Aerospace, computer science, electronics and automobile designers use videoconferencing to reduce travel time and costs. Owens-Coming executives conduct meetings comprising en-gineering, headquarters, technical and manufacturing personnel at 21 North American and European plants. Other companies use it for training widely separated employees, presentations, job interviews, construction planning and quality-control inspections of overseas factories.

But videoconferencing serves more

"Distance Learning" lets teachers pregiving his diagnosis to a colleague sent material and quiz participants in several locations, California State University at Sacramento now links lecturers with 26,000 off-campus students. Primary-school pupils in Los Angeles and Tokyo ask each other about their respective countries. And this year, several National Basketball Association teams videoconferenced with their top draft picks before making their fi-

> Industrial Light and Magic, the specialeffects wizards, uses a sophisticated transmission technique with greater bandwidth, a dedicated ISDN line and

Special-effects wizards

satellite. "When we were creating the special effects for 'Jurassic Park,' we held daily meetings with Steven Spielberg, who was in Poland filming 'Schindler's List," says Ellen Pasternak of ILM. "Both parties could view the same video transfers and see the others' faces. They used pointers to in-dicate, say, a portion of a dinosaur's



Multimedia applications: From medicine to cinematic special effects, videoconferencing offers a cheaper and highly efficient alternative to travel.

eye, and ask, 'Is this the way you wanted it to look?

"At Skywalker Sound," she adds. we record actors in Los Angeles dubbing live. We can synch it up with our recording studios near San Francisco

with perfect clarity."

According to "The Desktop Personal Conferencing Market: A State of the Industry Report. Part 1" of March 1995, "there are approximately 28,000 videoconferencing systems in use worldwide on PC. Macintosh and Unix platforms across WAN, ISDN, PSTN and LAN environments," PC-based

ISDN BRI capable systems hold the main market share (61 percent), followed by Unix (34 percent) and Apple (5 percent). The major servers are T&T, Intel and PictureTel, which in 1994 together held 81 percent of the market, followed by British Telecom, Vivo and VTEL.

Decreasing costs
Costs are far below those for travel. Video calls from Los Angeles to New York cost around \$30 per hour. To Britain, they average \$240 per hour. and to Japan, \$260 to \$280.

With hardware price drops, videoconferencing systems may become commonplace in the home. "The PC unit that costs \$1,700 today will cost only \$300 in 1999," says Ms. Dickinson. She estimates that in 1999, 3.8 million PC units will be shipped, a 12,000 percent increase over 1995 levels. Unix systems will rise from 21,600 in 1995 to 1,366,000 in 1999.

System improvements are contingent upon advances in bandwidth and compression techniques. "The video component is presently 10 to 15 frames per second, which is slow for most view-

ers," says Sheryl Roberton, video applications manager for T&T. "Camera and voice transmissins require 90 1 megabits of information er second, far more than present systers can handle. Codec cards and softwaz compress it 800 to 900 times to pu it through a 128-kilobit line, but the is still not

enough for full-motion vileo. As in most telecommunications. fiber optics is the mirack-medium that will broaden the bandwich, but experts agree that full global bradband networks are still five to 1: years away.

THE BEAUTY AND BEAST OF GLOBAL COMMUNICATIONS

Continued from page 9

corporate alliances aimed at creating and delivering multimedia.

From copper to fiber

Fiber-optic lines capable of carrying millions of bits per second - needed for teleconferencing, video-on-demand, interactive virtual-reality training and other rich multimedia applications are seen as the logical successor to today's narrowband twisted-pair copper telephone lines. However, replacing existing phone lines with fiber is a huge and expensive undertaking, particularly in the United States, with its huge installed copper base.

Fast Ethernet, FDDI (Fiber Distributed Data Interface), frame relay and other technologies are making networks work faster, but the telecommunications carriers believe the longthan business. In academic circles, range trend is toward B-ISDN (Broad-

band Integrated Services Digital Net-works) based on the SONET/SDH hi-erarchy, and ATM (Asynchronous Transfer Mode) international internet-working standards. The ATM market is expected to grow from \$165 million in 1994 to \$2.3 billion by 1997. With ATM, transmission speeds will reach

155 Mbit/s, and eventually 622 Mbit/s.

Despite the disadvantage of installed narrowband, where even digital upgrades for a "video dial tone" deliver VHS quality rather than the better broadcast-quality video, telephone companies have the advantage of being geared toward service and offering two-way communications. Cable can handle broadband transmissions now a single video channel can carry 1,500 phone calls - but the industry is geared toward entertainment, rather than utility-style service, and generally offers one-way bandwidth with only small upstream capabilities for interactive

al and less-developed areas without established communications bases, has the problem of difficult uplinks to

Many experts believe that the businesses, institutions and perhaps even the homes of the 21st century will have a mix of telephone, cable and satellite service, and many customers will use a combination of two or all three. How customers pay for broadband service flat monthly fees or by time, content, distance, the number of bits sent or received, or some combination of those will be a big and competitive issue.

The chicken and the egg

Whoever builds broadband networks telephone, cable TV or satellite companies - will face the task of filling the bandwidth with products and services that consumers, businesses and educa-

multimedia. Similarly, direct satellite distribution, with its advantages for ruropment of new multimedia products and services?

Or will new multimedia spur the deelopment of broadband?

"It is a chicken-and-egg sort of thing," says John Fike, director of the Center for Telecommunications Management at Texas A&M University.

"The short-term driver is going to be entertainment and recreation. Surfing the Net is recreation. Business applications will follow behind except in certain industries where there is a need, such as in programming. Let us imagine a business customer who really sees how he or she can do better with broadband service. The best thing for that customer is to see a big entertainment splash with broadband, to develop the infrastructure for what he or she wants

to do.* Others, however, warn that the ex-

pected demand for multiredia may be years away. "A big factor whether or not the consumer is ready or all of the services," says Doug Jacoson, a professor of electrical and conputer engineering at Iowa State University. "Until there is a demand for ae services, we will not see much brodband fiber to the home."

Even if there is demant for broadband, many experts believe a truly global broadband networkis decades away. "Do not underestime the time it will take," says Milton Mueller, a Rutgers communicationsprofessor working on a research projet in Hong Kong this year. "We are taling at least 30 years before a truly viquitous broadband network spreads aroughout the United States. Anyonewho says differently simply has no gusp of the size of the investment and the scale of the coordination problems ivolved." Tis Harper



"Broadband technology makes it even more" important to be focused."

CECILIA UEBEL BLOMGREN, Manager, Business Development ATM Broadband, Ericsson Telecom, Swiden.





The new broadband technology is changing the shape of communication between people. Soon we will all have free access to voice, data, text, image and video via public networks. 24 hours a day. At home and at work - anywhere in the world. How we use this is limited only by our intagination.

Ericsson recognised the need to harness this vast potential early on. We invested heavily in research. And out of our vision of a global information society has come technology that serves the individual's needs, while helping our customers open up new business opportunities. Ericsson's approach to broadband communication is comprehensive. At its core is an ATM broadband system for all sizes of switching, transport and access nodes. This system permits the rapid, economic development and introduction of new variable bandwidth, multimedia, interactive broadband services for business and residential users.

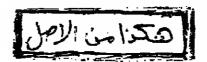
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SLOUCHING TOWARD A GLOBAL NETWORK

An update on the building of the global information highway.

Who will have access to cyberspace? Who will be able to post and retrieve, to upload and download, to offer serto post and retrieve, to upload and download, to offer serto the United States, the Electronic Industries Association vices on demand and demand services? Who will build the information superhighway? Who will pay for it? Will there

be legal protections for privacy, free speech or copyrights? These are just some of the questions posed along the way toward development of the Global Information Infrastructure (GII), the blueprint being drawn for the electronic glob-

al village of the 21st century.

The GII is, literally, the global information superhighway. Just as the roadway engineers of the 20th century tried to lay concrete for the most efficient movement of vehicles carrying people and products, the builders of the information superhighway are striving for the opeo movement of information to and from any part of the world.

Global information market

The movement toward the GII bas grown out of the United States' agenda for establishing a National Information Infrastructure. Now G7, the group of leading industrial nations, and other internacional policical and trade blocs, including the European Union, are trying to agree on technical, legal, economic and cultural frameworks for interoational

A G7 report put it this way: "By interconnecting local, oational, regional and global networks, the GII can increase economic growth, create jobs and improve infrastructures. Taken as a whole, this worldwide 'cetwork of networks' will create a global information marketplace, encouraging broadplaced social discourse within and among all countries."

Six principles for GII

Guenther Moeller, director general of the German Informatioo Technology Manufacturers' Association, says: "To prepare for the markets of tomorrow, information must be made available in the right form, at the right time and at an affordable price."

Mr. Moeller - who is also secretary general of EUROBIT. the European Association of Manufacturers of Business Machines and Information Technology - lists six principles for the GII: interoperable systems and applications, privacy and data security, protection for intellectual property rights, universal access to networks, access to research and development, and oew applications.

"Looking globally, we see a patchwork of incompatible communications networks marked by high costs, low-quality services and very limited interoperability between systems," Mr. Moeller says. "What we desperately need is a

In the United States, the Electronic Industries Associatioo and its affiliate association, the Telecommunications Industry Association, recently released an expanded "White Paper" oo the building of the Gil, EIA and TIA offer the following recommendations: The private sector must play the lead role; enlighteoed regulation is essential; the role of global standards is critical; universal service and access must support competitive, market-driven solutions; security and privacy are essectial requirements; and intellectual property rights must support new technologies.

"We believe the acceleration of the GII's evolution should be based on a national policy of private ownership and open market competition," says TIA President Matthew J. Flani-

Public or private?

The Clinton administration has said it will leave the actual construction and management of a National Information Infrastructure up to private industry and the rules of the free market. Some other countries may be more willing to put government money into technical infrastructure, including paying for faster, broader oetworks. At this point, however, it appears that the GII will be underscored by a commitment to free markets and democracy through the free movement of ideas and information all over the world.

End-to-end transparency

There have been a few preliminary agreements signed in re-cent months - between the United States, for example, and Chile, Argentina, Mexico and Russia, respectively - but no ooe knows how long it will take the nations of the world to agree oo an overall GII. Years, certainly. One of the first steps bas been an agreement among the G7 nations to inter-connect national broadband octworks by 1997, as a base for "end-to end transparency in global networks." Determining when every corner of the world might have its own on-ramp for the information superhighway, however, is more diffi-

There have been successes, but most of the discussions have focused oo laying the groundwork," says Paige Darden, a spokeswoman for the U.S. Commerce Department's National Telecommunications and Information Administratioo. "Wheo you consider that 50 percent of the world's population has never talked oo a telephone, we have a long way

pacity and "are optimized for the usage of each telephone line for just a few minutes per day. This is no longer relevant to developed countries. Mr. Kelly argues that if telephone companies want to provide services are broadly similar. Data such as home shopping and video-on-demand, then they oeed to consider abandoning their cherished principle of

tures of telecom operators

reflect historical necessities

rather than the situation to-

day, and the coincidence of a

number of factors is making

their current strategies inde-

fensible and inappropriate.

tions analysis at the Interna-

Union, says tariff structures

are based on a scarcity of ca-

tional Telecommunication

Tim Kelly, head of opera-

volume-based charges. If volume-based charging continues, then a Belgian consumer, for example, watching a movie down-

he present pricing struc- loaded from a server in time in generating signifi-America would have to pay cant amounts of traffic other around \$65 per hour for the than voice, and the premiprivilege (based on ITU fig-ures) because the "call" ums it will bear will be much less than those the would be billed at the same rate as for a voice call of that beeo willing to shoulder. duration. Clearly there

Transfer Mode) poses diffi-cult questions. It is the first would be few subscribers. but on the other hand, it would be difficult for an optechnology that can handle erator to justify different tarvoice, data, images and iffs for disparate types of video with equal facility and that can supply the required bandwidth as it is needed. traffic, carried over the same This wrecks current pricing The age of multimedia policies, with carriers charging premiums for, say, 56 k, 64 k, 1.5 M or 2 Mbit/s Voice traffic is common to

Cost-based charges

leased lines.

carriage, on the other hand, has only concerned the busi-Public network operators are also facing increasing pres-sure to make their charges ness community, and operators charge premium rates for services such as leased cost-based. This is likely to lines, X.25 and frame relay. demand a shift in tariffing In the comiog age of multi-media, the residencial market policy; for example, connection charges and line-rental will be involved for the first charges do not usually cover

the cost of running the local loop, so that cost is subsidized by higher call charges. Rebalancing would mean higher fixed costs and lower business community has call charges, In the longer term, the marginal costs of ATM (Asynchronous switching and transmission are heading toward almost nothing, which will wreck operators' profits if costs are

to be price-based. All these factors have to be considered in the light of the introduction or expansion of competition. Where does this leave the operators? The trick they need to work out is how to maintain revenue from existing services while introducing new ones, such as interactive multimedia. Here is where operators can turn ATM to their advantage and use its flexibility, coupled with sophisticated billing technology, to offer customers more

options or packages.

Annie Turner



Opening a world of possibilities: The information superhighway will transform the way people work and play.

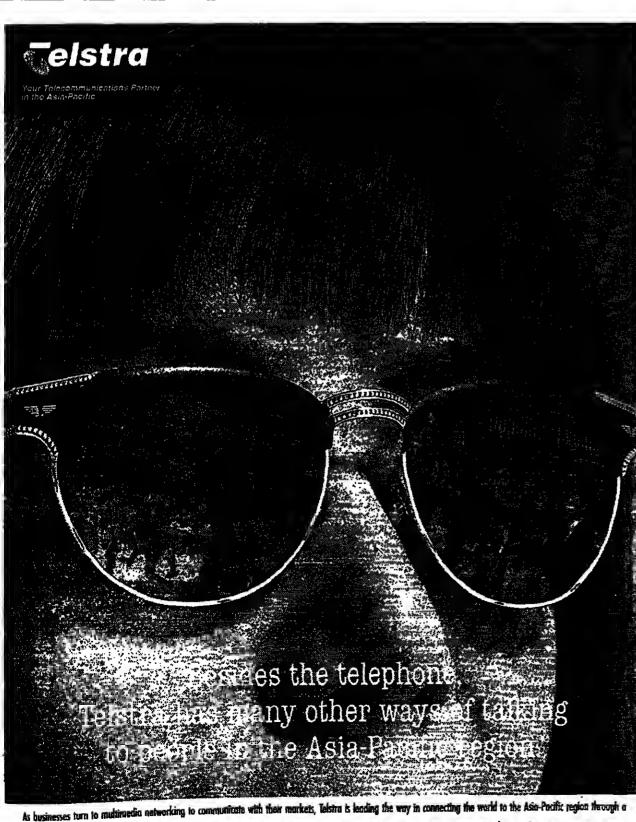
NEW STRATEGIES NEEDED FOR PRICES

Telecommunications operators are facing serious dilemmas concerning tariffs.

the business and residential

markets, and hence charges

network.



"BROADBAND COMMUNICATIONS"

was produced in its entirety by the Advertising Department of the International Herald Tribune.

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and Steve Van Beek in the United States and Thailand.

PROGRAM DIRECTOR: Bill Mahder.

TOMORROW'S SECTION: Communications and Computing.

variety of multimedia channels. We are building a world class digital broadband fibra/cooxial cable network. In a joint venture with News Corporation, entertainment services will commence on this network in late '95. Telstra is also developing a range of advanced interactive services, evolving to broadband as technology and the market matures. For global corporations, the network will provide access to multipoint videoconferencing around the Asia-Pacific region. In another joint venture, Teistra and Microsoft Corporation will provide an international on-line messaging, information and transaction service to Australia's PC users via our existing narrowband and ISDN networks, creating a global publishing platform and distribution channel for new and innovative products and services. With Teletra as your Asia-Pacific telecommunications anest to the network reciscology of the future. Talk to us about your specific needs at Stand 7.317 at Telecom '95, or call Telstra in Australia from: SMEAPORS ROD 6161 341 • HONG KUNG BOD 4669 • MALKISIA RDD 4722 = BEDDINESIA DD1 800 61 823 • THARLAND DD1 806 61 4699 • PYREFFORES 1 806 61) 9026 • THARLAND DD0 61 1123 • LAPAN 9021 61 630 • SOUTH HORSE OD78 61 14702 • CHINA 10800 3539 • NEW ZENIAND DB00 402531 • OR DE: NEDIA 91 11 325 5785 • SE LARKA 94 1 328550 • NEDHAM 84 4 226 180, 84 8 231 975 • U.K. +44 171 828 2328 • 815.K. +14 15 788 5751



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LIFE ON-LINE: AMERICA'S INFORMATION SUPERHIGHWAY

The question is not whether, but when.

There is much talk among the philosophi-cal roadsides of the information superhigh-way about the so-called Jeffersonian ideal of cyberspace. Groups such as the Electronic Frontier Foundation, a public-interest organization, see the future of telecommunications as more egalitarian than elitist and more decentralized than hierarchical, serving individuals and communities, not mass

On the other hand, it is the large corporations, with money and technology and more money, that are doing the most to actually bring the information superhighway into homes and businesses, and to bring millions of people on-line with information, games, shopping and other entertainment, and personal services that appeal to enough people to be commercially viable.

Intense lobbying
So far, the debate on the future of the National Information Infrastructure has been robust and spread across a wide spectrum of American society. Certainly the companies with the most to gain - the telephone and cable companies, primarily, but also other communications, computer and entertainment interests – have been waging intense lobbying campaigns for the benefit of both Congress and the public.

Communities around the country are moving - usually with a combination of private, government and school funding – to become "electronic villages," where homes, business, civic groups, schools and local government are all linked by broadband networks. Business groups and state governments are also working to build their local lanes for the information superhighway.

For example, Smart Valley, Inc. - a nonprofit organization working with a variety of Northern California husinesses, many of them in computing and communications – is one of several groups trying to lay a regional foundation for the national information infrastructure. Some follow a top-down model, driven by government, a large educational institution, or one or two large private companies. Others, such as Smart Valley, strive for a grass roots strategy, acting as a catalyst or facilitator to bring together govemment, private and civic groups and indi-

viduals to work on collaborative projects. Virginia is one of the states where govern-ment and education have taken the lead. The University of Virginia has completed a "Virginia Broadband Network Study" proposing that the state government serve as the "anchor tenant" of a broadband network combining 20 local exchange carriers throughout

Fiber coverage already extends to more than 95 percent of the state's local exchanges, the report says, and digital switching of old narrowband lines would create a 100 percent broadband network that would cost \$1 billion to complete and bring in up to \$5 billion in additional tax revenues over the first decade, largely through a \$15 hillion boost in gross state product.

The Virginia plan is similar to many others throughout the United States in that it does not contemplate waiting for a completely fiber network to hegin carrying broadband. Twisted-pair copper can still de-liver broadband via new technology such as Asymmetrical Digital Subscriber Line. ADSL-1 would allow the current wiring oo three of four American and Canadian homes to receive 1.544 megabits per second, which is suitable for VCR-quality video. ADSL-2 can run beyond 3 Mbit/s, and ADSL-3 beyond 6 Mbit/s.

Something worth paying for

Do Americans want or need all those bits pouring into their homes, either hy fiber or copper, or through cellular or satellite signals? The answer is yes. But the question is when. Americans will not be eager to repay investments for broadband fiber, or even ADSL, unless and until the technology delivers something worth paying more for whether games, electronic mail, shopping and financial services, or anything else.

So will the future of cyberspace be dominated by multimedia and telecommunications giants, pumping out entertainment that sinks to the lowest common denominator? Will the deregulation of the American telecommunications industry amount to little more than a business plan for the regional

Bells, Hollywood and the cable industry? Or will the future bring small pockets of special interests and electronic "communi-ties" - perbaps a version of Marshall McLuhan's "global village," with room for

pluralism and diversity?
The goal of the NII, perhaps, is to make room for both, and then see what happens.



Top telecom players are looking to China and other developing countries for continued growth.

end users - for whom it de-

signs, installs and runs sys-

tems and provides consul-

tancy as required - EDS

also has a good grasp of the

telecommunications compa-

customer support," says John Harris of EDS' Com-

munications Industry Group. "It accounts for around 10

percent of EDS' total \$10

billion turnover and is one of

the fastest-growing areas."

possible within the telecom-

munications-equipment-

supply industry, manufac-

turers must look elsewhere

for growth. It is said that, to date in Britain, Nortel (for-

merly Northern Telecom)

has earned more from new

operator Energis in the form

president of Nortel (North-

em Telecom) World Trade,

New growth areas

WILL TODAY'S KEY PLAYERS REMAIN ON TOP TOMORROW?

Continued from page 9

dominance within a few years. The same pattern could emerge in the telecommunications industry, with ATM (Asynchrooous Transfer Mode) being the most likely offensive.

System suppliers' edge ATM is the first technology

to be developed by both the telecommunications and data-communications industries. The latter is accustomed to cut-throat competition and profit margins, routinely living with price re-ductions of about 20 percent or 30 percent per year, and getting products to market in a matter of months. These companies are delivering ATM equipment for data networks at prices that "must horrify product managers in the established telecommunications-equipment manufacturers," says David Cleevely, managing director of consultancy Analysys, based in Cam-bridge, England.

Furthermore, these com- says that flexibility and integrity are the key to future puter-systems suppliers themselves have an estabsuccess.

The range of services suplished hase inside customer plied to customers by Nortel premises. As a result, they might include assigning a have a better understanding number of staff to a reof what customers want and how their communications search-aod-development and information-processing project full time; providing a needs are evolving. It is the turnkey solution; designing, implementing and even runsystem suppliers, not the esning infrastructure, includtablished players in widearea networking, who may ing sales and marketing serbe in the best position to exvices as well as technical exploit this new technology. pertise; or arranging the finance to put infrastructure in Perhaps the company best place. Nortel has its own positioned to seize this optreasury department, which liaises with banks to arrange portunity is Electronic Data System; in addition to having a close relationship with such loans.

Developing markets Mr. Lytle also looks to developing markets for continued growth, but says part-nership is crucial and that telecommunications opera-tors business. "There is a such countries are knowlvery large business helping edgeable about what they want and what they will pay. nies with back office and Nortel has been in China since 1972; it has a 10 percent share of the market, four joint ventures and five factories there.

The latest one to be completed in Shunde, Guangxbou province is as big as Nortel's largest manufacturing plant, which is in its na-As no further mergers are

Alcatel has announced that it intends to be a shareholder in various network operators to generate new revenue streams. Last year, it entered the contest for a personal communications network (PCN) license in France, losing to Bouyges. of consultancy in network and has become a shareholddesign than from equipment er in Glohalstar, a global sales. Alan Lytle, a vice mobile satellite service con-

Annie Turner

IN INTEREST OF ALL: EUROPE'S NETWORK IRIBINDEX

Europe tests the world's largest ATM network.

Cooperation is still the key word as the rollout of Europe's hroadband information superhighway continues to gather momentum. European operators have set up the world's largest and most sophisticated ATM network in a concerted hid to accelerate the development of broadband standards and gain vital operational evaporational evaporations. standards and gain vital operational experience. Now they are working together again in response to a new European Commission call for tender.

Five operators signed the original Memorandum of Understanding in 1992. Eleven more had joined by July 1994, when the ATM pilot network was up and running for trial. The official opening ceremony, a Dublin-Brussels video-conference in November 1994, was simultaneously relayed to more than 20 European cities. The full-scale test was Europe's chance to shorten the technology learning curve by running a real network with real transmission systems, ATM switches and multimedia applications. Leading-edge appliswitches and multimedia applications. Leating-edge appli-cations came from researchers working on pan-European re-search projects such as RACE, TEN-IBC (Trans-European Network, Integrated Broadhand Communications) and the PNO's own research and development laboratories.

About 60 of these high-speed multiservice applications have now been run across the network; they range from videoconferencing and multimedia mail to high-speed computing and telecom network testing. In the aerospace industry, academic researchers and industrial manufacturers have linked up for satellite design. In European hospitals and universities of medicine, other researchers have been able to work together on disease diagnosis, cardiology and general consultation at long distance.

What's the point?

The prime objective of the exercise to date has been to examine ATM technology in action, to put ETSI- and ITU-recommended standards into practice and, most specifically, to test the interoperability of ATM cross-connects in a multivendor and multi-operator environment.

The ATM Pilot is accelerating the introduction of compatible broadband capabilities within Europe, and the issue for users is how to make best use of a shared high bit-rate network," says a spokesperson for Deutsche Telekom in Bonn, echoing the ATM Pilot Members' recently reported results. A BT spokesperson in London says: "Everyone is cooperating because it is in everyone's interests. That way, you get the equipment faster and cheaper."

By the end of 1995, a date which coincides with the end of the original Memorandum of Understanding, the ATM Trial Network will probably be used by 200 user groups.

Earlier this year, the European Commission launched two

calls for proposals in a bid to address R&D precompetitive trial interconnection needs. Two consortia are bidding. The first, TEN34 (Trans-European Network at 34 Mbit/s), brings together the interested user groups from Europe's research and academic networks. The second, JAMES (Joint ATM Experiment on European Services), consists of 18 operators - all the original MoU signatories and one newcomer from

Users' point of view

Industry observers would like to see the commission accept both offers and encourage them to work together. "The European ATM pilot was a technology trial. Now we want to get the user involved in defining the type of commercial application they require," says Jean Louis Morard, ATM and broadband services manager with BT Global Marketing in Paris. "The initial trial raised some rather complex issues. With JAMES, we intend to improve the operational side and look at new services from a user/market point of view."

A spokesperson at France Telecom, another of the MoU's original signatories, underlines the need for dialogue. "We need to see how each side approaches the problem," says the spokesperson. Michel Levy, chairman of the European ATM Forum, is more bullish. "The market is taking off, and technology is no longer the issue," he says. "ATM is moving

from the experimental to the commercial phase." Steven Bartlett WOR! SCENE

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THE WORLD'S DAILY NEWSPAPER

DEVELOPING THE STANDARDS To Fulfill ATM Promise

Continued from page 9

Union Telecommunication Standards Sector - ITU-T) chose ATM as the switching and transport technique for broadband.

The following year, 13 I-Series Recommendations were drawn up to describe the concept and specifica-tions to introduce ATM into networks. These initial recommeodations have beeo much expanded since theo, and work is still under way to define multichannel sig-naliog protocols, trafficmanagement techniques and performance-measurement mechanisms.

Other standards that have a bearing on the development of ATM include the SDH/SONET (Synchronous Digital Hierarchy/Synchronous Optical Network). which is a range of fiber-optic transmission rates, and the Q-Series of Recommendations. The latter are the responsibility of Study Group 11 of the ITU-T and pertain to switching and signaling

The ATM Forum

The great potential of ATM gave rise to the founding of the ATM Forum. It had four initial members; the number has now swelled to 742 and includes computing and communications companies, government agencies, research organizations and end users. There is great emphasis on interactivity.

standards [as outlined above] and supplements them hy filling in details so that equipment manufacturers are sure that their products will interoperate with those of other vendors," says Mr. Dohrowski, who is chairman of the forum's Technical Committee. "We refer to our documents as refer to our documents as implementation agreements or specifications. There are loads of ingredients in any recipe that will feed an end-to-end system." This year, the forum will be issuing almost 40 enecifications. most 40 specifications.

Some detractors have pointed out that most of the ATM Forum's work has involved the private domain. There have also been suggestions of tensions between the forum (and others that have since been established to speed the progress of specific technologies) and the traditional standards bodies.

Mr. Dobrowski refutes both claims. He points out that the forum's mission is to promote the acceptance and implementation of ATM technology and applications based on national and international standards. This can be done most efficiently by reaching the early adopters, he says, adding that "the data communications market was the first segment that wanted to capitalize on ATM technology and who was the most prepared to use it."

Olivier Choron, industry The ATM Forum is not a analyst with Dataquest Eusandards-setting body. The rope, sees ATM's current and will be joined by Belga-tom, Denmark and Sweden

forum hases its work on main role in the local area network as heing in the backbone. He says that as "a radical new technology. ATM is facing stiff competi-tion in this market from evolutionary technologies, principally Switched Ethernet, which can supply dedicated 10-megahit-per-second pipes to the desktop if oceded or hy 100 Mbit/s Ethernet, which can be deployed

Commercial services

in the backbone."

Meanwhile, work is going on apace in the ATM Forum concerning the introduction of ATM into public net-works. In the B-ICI (Broadband-Inter Carrier Interface) Work Group (one of 11), good progress is being made oo SVC (Switched Virtual Circuit) interfaces. Earlier specifications only covered PVCs (Private Virtual Circuits) and hence had no ability to signal what kind of connection was required. The new specification, which should be completed very soon, covers SVCs and will allow links between dif-

Mr. Dobrowski says that 13 inter-exchange carriers are offering a commercial ATM service, some of which will be SVC hy the end of this year. Dr. Iain Stevenson, ATM specialist with London-based consultancy Ovum, adds that in Europe. Telecom Finland and Deutsche Telekom offer commercial services already

ferent operators' switches.

by the end of the year. The Netherlands is also holding trials in various cities.

Relations between the fo-

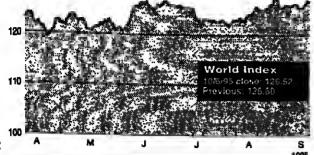
rum and the standards-setting hodies are hecoming broader-based and more official. Talks about work plans and schedules now take place between the ATM Forum and the ITU's Study Groups 11 and 13, and Mr. Dohrowski says that "we have just linked up with Study Group 15 [Transmission Systems & Equipment]." He emphasizes that there are still no direct discussions on technical issues. In the United States, this has to be door through the appropriate national standards body, which uotil recently has meant the American National Standards Institute (ANSI via the T1 Technical sub-committee TlAl). The ATM Forum is working on a memorandum of under-standing with the European Telecommunications Standards Institute (ETSI) to develop a similar relationship.

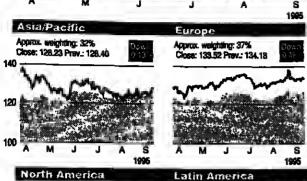
Mr. Stevenson believes that the standards that need to he ironed out for the transmission of voice will largely remain the province of the ITU, but he acknowledges that the ATM Forum's Service Aspects and Applications Work Group will contribute substantially to introducing multimedia onto the public networks, he expects to see ATM-horne multimedia applications on enterprise networks io the

next year or so. Annie Turner

THE TRIB INDEX: 126.52

International Herald Tribune World Stock Index C, composed of 280 internationally investable stocks from 25 countries, compiled by Bloomberg Business News. Jan. 1, 1992 = 100.







| | Fit. | Prev. | % change | | Pd. | Frev. | change |
|-----------|--------|--------|-------------|----------------|--------|--------|--------|
| Energy | 125.24 | 125,77 | -0.42 | Capital Goods | 132.84 | 133,75 | -0.68 |
| Utilities | 125.22 | 125.90 | -0.54 | Row Materials | 141.68 | 142,64 | -0.67 |
| Finance | 119.24 | 119.43 | -0.18 | Consumer Goods | 129.18 | 128.95 | +0.18 |
| Services | 120.28 | 120.66 | -0.31 | Miscellaneous | 140.72 | 140.48 | +0.19 |

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French Central Bank Acts to Halt Franc's Plunge

By Alan Friedman International Herald Tribune

PARIS - The French franc plunged against the Deutsche mark on Friday, prompting the Bank of France to take emergency action in an effort to defend the beleaguered currency.
The move by the bank, which
came after a self-off of the frane caused the mark to soar above 3.52 francs during the day from less than 3.47 on Thursday, was being described Friday by some

economists as a prelude to an interest-rate increase if the economic and political reasons franc remains under siege next for the franc's latest nosedive, The franc's fall to a three-

its emergency lending proce-dure. In a clear admission that the franc was under attack, the news that French officials have French central bank took steps opened a preliminary investigaon Friday afternoon to discourage speculators by suspending are grounds to prosecute him its 5- to 10-day lending rate of 6.15 percent and replacing it with 24-hour lending at the one of the state of the

The bank took similar action tumbled against the mark. While analysts cited several

they singled out the mounting uncertainty over the future of

tion to ascertain whether there

apartment while an official of the city. The initial probe does last March, when the frane also not mean that charges will necessarily be filed against the prime minister, who nonethe-less announced that he and his son would move out of their city-owned apartments.

Official denials of specula-tion that Mr. Juppé might re-planned monetary union.

sche mark on I-riday caused the whose popularity has plummet-Bank of France to implement ed in recent opinion polls. sign failed to soothe investors, as they are also concerned that as they are also concerned that France cannot effectively cut its record public deficits.

> There were other reasons cited by economists for the frane's plunge, which came on the eve of a meeting of finance officials of G-7 countries, ineluding France, to review exchange rate developments and the global economic outlook. Chief among these was continuing skepticism in financial markets that either Mr. Juppe or President Jacques Chirac will succeed in efforts to slash public spending enough to cut deficits in time to qualify as a founding member of Europe's

Jan. 1, 1999.

France's public deficit to 3 per- cits. cent of gross domestic product European Mooetary Union on

Also contributing to the attack on the French currency are worries over the public-sector strike that has been called for oext Tuesday to protest Mr. Juppe's proposal to freeze the salaries of civil servants io

the French government is pean Union currencies' fluctuacowed by union pressure and agrees in give 4 million civil

Mr. Juppé has pledged to cut servants raises, that would cast the budget and social security doubt on its promise to cut its deficits ecough to bring budget and social security defi-

The franc rose slightly after by 1997, in time to join the the central bank's move. In late Paris trading, the mark was quoted at 3.5073 francs after hitting a three-month high of 3.5220. But it was still far above its closing level of 3.4695 on

The German currency remains far from its 3.90-permark ceiling within the Europe-an exchange-rate mechanism, Some economists say that if the grid that limits most Euro-

See FRANCE, Page 14

Strong Dollar Gets Vote as G-7 Meets Treasury Says It Is in U.S. Interest to Support Value

By Brian Knowlton

month low against the Deut- Prime Minister Alain Juppé,

WASHINGTON - Treasury Secretary Robert E. Rubin gave renewed support Friday to a strong dollar and said he would work with fellow Group of Seven finance officials, when they meet here Saturday, on ways to maintain its strength.

Finance officials and central bankers of

the rich industrial nations will also be looking closely at the steps Japan has takon to boost economic recovery and repair its battered banking system. The G-7 session takes place on the fringes of the annual meeting of the International Monetary Fund and the World Bank.

The Japanese were embarrassed last week by news that Daiwa Bank had lost \$1.1 billion on unauthorized bond trading. only months after three Japanese banks were forced to close. Tokyo sent a highlevel delegation here to explain the cura-

tive measures taken.

Mr. Rubin is to meet separately Saturday with Finance Minister Masayoshi Ta-

He told reporters Friday that he be-lieved "very strongly" that a robust dollar was in the U.S. interest.

Other G-7 members, ootably the Japanese, have expressed similar support for the American currency in recent days. But it was oot clear whether the G-7 would mained between the President Bill Clinton actually act, as it did after its last meeting, when coordinated action by the central federal budget deficit. But he said he was

banks of three members helped boost the certain that the differences would be redollar's value.

Mr. Rubin issued a hedged endorsement of Japanese measures. He said that Japan had "crossed a bridge" on the way back from its longest economic downturn since the 1930s and was working "very constructively" to overcome doubts about its trou-bled banking system. But he added that the danger was not over.

While the IMF has said the overall world outlook was encouraging — it predicts economic growth next year of 4.1 percent, up from 3.7 percent this year — concerns remain, notably those raised by the Mexican debt crisis.

G-7 policymakers are to pursue talks on assembling a \$50 billion fund to belp fore-stall such jolting crises in the future. Mr. Rubin said Friday that informal talks with prospective donors to the fund, many of them from the fast-growing East Asian countries, had made "very good progress."

The dollar, meanwhile, has gained 20 percent against the yen since hitting a record low in April. A rising dollar and falling yen help Japanese exporters, boost corporate confidence there and reduce the risk of layoffs in Japan.
Mr. Rubin also sought to provide assur-

ances on two political questions that could profoundly affect market stability.

He said that "very big differences" remained between the President Bill Clinton

sures taken since the last G-7 meeting include a cut in Japanese official interest rates and a government endorsement of the possibility of using public funds to rescue weaker banks.

solved in the end.

In the strongest language of his press conference, Mr. Rubin said that the possibility that the United States might, for the first time, default nn its sovereign debt was "unthinkable, and it will not happen."

He said that those in Congress who spoke of refusing to authorize necessary borrowing, and used the threat of a default as leverage on other issues, were doing the country a grave disservice.

Asked about dangers of instability amid debate over the future of European Monetary Union, he said, "It is very much in our interest that there be growth and stability m Europe." But be said that it was "really up to the Europeans to determine the pluses and minuses of an EMU."

Three Japanese banks collapsed in August. Last week, Daiwa Bank revealed losses of \$1.1 billion, which led foreign banks to charge a risk premium on loans to banks in Japan. The IMF, meanwhile, ex-pects the Japanese economy to grow by just 0.5 percent this year before a moderate pickup to 2.2 percent growth oext year.

That prediction did not take into account a record fiscal stimulus package approved in Tokyo last month. Other mea-

Daiwa Says It Hid Data on Oversight

Compiled by Our Staff From Dispatches TOKYO - Daiwa Bank, which recently reported \$1.1 billion in losses by a trader at its New York branch, said Friday that it had initially hidden evidence of improper oversight from banking inspectors but said it later had

confessed. Daiwa's statement indicates that both the bank and banking regulators in Tokyo and New York knew that oversight cootrols were insufficient at the bank, and it raises questions about the bank inspection process.

The New York trader, Toshihide Iguchi, has been arrested on charges that he falsified records to cover up the losses. He was reportedly able to conceal the trades because be was responsible for bond trading and some record keeping.

A Daiwa executive acknowledged Friday that the bank temporarily removed records of bond dealings and shifted some personnel, including Mr. Iguchi, to another office in New York

during an inspection by the Federal Reserve Board in 1992 to hide evidence that they bad failed to separate the trading and record-keeping functions. The bank passed the Fed's inspection.

Daiwa confessed to the Fed during a 1993 inspec-tion that it had manipulated the books in the previous inspection, the official said.

Also Friday, the Nihon Keizai reported that the Daiwa New York branch would submit to state and federal banking authorities a plan to revamp its opera-tions, reining in its U.S. Treasuries dealings and appointing a third party to supervise its securides custody

In a related development. Daiwa gave up plans to open a branch in Cleveland oext year, the Nikkan Kogyo, an industry daily, reported. Bank executives have decided Daiwa lacks an adequate oversight system at its 17 U.S. branches, the paper re-

(AP, Bloomberg)

ECONOMIC SCENE

Today's Gadgets Are Tomorrow's Gold

By Richard Covington Special to the Herald Tribune

ENEVA -- Bored with the Internet? No looger ga-ga over GSM? Then take a plunge into the optical ether, with a video-communications system that transmits images so lifelike that, as one scientist puts it, "you could fall in love over it."

Or fire up a point-andshoot printer, activated without wire connections: You simply point your computer at the device, tap a key and your document begins printing.

Maybe you'd prefer an all-purpose personal telephone system that antomatically dials your office, fax, mobile phone, electronic mail address and ski chalet trying to locate you. If the quadrennial Interna-tional Telecommunications

Union conference bere confirms anything, it is the inclnotable ascent of mad scientists, as members of yesterday's lunade fringe materialize as tomorrow's billionaires and potential Nobel laureates.

The wireless printer and personal-phone finder are months away, and opticalether communications more

Cross Rates

than 15 years distant, but these and other innovations added the technological spice and marketing hype to the gathering of 133,000 industry buyers and sellers.

In the blue-sky realm of telecommunications seers, Peter Cochrane, a research scientist at British Telecom PLC, is the undisputed leading prophet of optical ether - transmissions carried along fiber optic networks as wavelengths instead of bits, and able to travel in-



stantaneously because the electronic switching equipment would be eliminated. "Instead of dialing your phone number," Mr. Cochrane said, "I would dial your wavelength."

Instead of telephone handsets, the system would rely on a box tuned to varying wave-lengths by lasers. Voice and images would be transmitted through a videophone apparacomputer workstation more

than an ordinary telephone. "It would be so sensitive you could fall in love over it," he said -- something virtually impossible to imagine over the jerky images of current videoconference networks.

British Telecom is running a trial of the optical-ether link with Siemens AG in Munich that involves connecting users via high-definition television and modifying the fiber-optic network to act as a signal am-

In the United States, AT&T Corp., Digital Equipment Corp. and the Massachusetts Institute of Technology are collaborating on a wideband optical network for the Department of Defense.

While optical-ether communications will not hit the market until at least 2010, the personal-phone finder devised by LM Ericsson AB of Sweden is slated for release by mid-1996. The finder, dubbed UPT for Universal Personal Telecommunications, will consist of a switching unit the size of a portable phone and software to route incoming

The system, which is undergoing a trial in Finland, en-ables the subscriber to change

CURRENCY & INTEREST RATES

the sequence of oumbers called at will. Company spokesmen declined to speculate on its eventual price.

With the unveiling this week of an encrypted smart card designed to let users make on-line purchases quickly and safely, Hewlett-Packard Co. is among a growing number of compa nies leaping into the field of Internet security.

Franz Nawratil, chief of the company's European opera-tions, said the cards would become "the next wave of credit cards, with banks, retail stores, airlines issuing their own." Hewlett-Packard developed the card with Gemplus SCA of France and software mannfacturer Informix

GmbH of Germany. Among the burdles facing the introduction of smart cards are varying national standards for encryption. U.S. government authorities, concerned that cards encrypted with powerful codes would be used to mask criminal activities, have insisted on weak codes before

granting export licenses.
The weaker standards render the cards "useless," com-plained John Taylor, chief engineer for Hewlett-Packard's British laboratories.

Oct. 9

From Eurotunnel, a Loss and a Pledge

By Erik Ipsen International Herald Tribune

LONDON --- As Eurotunnel reported on Friday a worse-than-expected loss for the first six months of the year, its cochairman, Sir Alastair Morton, threw down the gauntlet to his competitors and

his bankers. Sir Alastair, the co-chairman of the company that operates the tunnel linking Dover, England, and Calais, France, vowed to drive the Channel ferry companies into the red with price cuts, and he challenged the banks to restructure their loans nr to continue to forgo receiving the interest on them.

Sir Alastair said he hoped to reach a debt restructuring agreement on Eurotunnel's £8 billion (\$12.64 billion) in junior bank debt by March. He conceded, however, that the task was immense, calling it "the second half of this great project."

But, be added, "it should not take a long as the first half" — the six-and-a-half years of building the tunnel. The severity of the company's situation

was thrown into sharp relief Friday by the earnings report, which showed Eurotunnel losing £464.5 million in the first six months of 1995. On Sept. 14th, the company suspayments.

To the relief of stockholders who had feared a dilution in the value of their shares, Sir Alastair virtually ruled out any restructuring in which the company's 225 creditor banks would convert loans into equity. "A debt-for-equity swap is regarded by the banks as a last opoon," said Sir Alastair.

There is no pressure by them for that," Instead, he said the goal would be finding formula by which Eurotunnel and the banks could share the company's cash flow over the next several years.

Others were less sanguine. Klesch & Co., a London trader in distressed debt, released a report Friday calculating the total worth of Eurotunnel at a mere £3 billion. The firm went on to value Eurotumnel's

equity at "zip."
Contradicting Sir Alastair, Gary Klesch said that a debt-for-equity swap was inevitable. "Given a choice between taking nothing for their debt and taking some-thing the banks will take the equity," pre-dicted Mr. Klesch. "I don't see what else

they can do." As for the rival ferry companies, Sir Alastair predicted that Eurotunnel's slashing last week of its duty-free prices - a move quickly followed by the ferries would drive them into the red. The ferries duty-free sales. We intend to force them to earn a

living either as floating shopping malls or as transportation services," he said. The ferries have been unexpectedly tough competitors. A year ago Eurotunnel executives, as well as many analysts, had predicted that the ferry companies would begin to shift some of their ships to other routes. As it turned out, they expanded capacity on the

Dover-to-Calais route. With capacity now far outstripping the demand, a fierce price war continues to batter the sales of all competitors.

Sir Alastair conceded that the only thing that had staved off disaster in 1995 was Eurotunnel's suspension of its interest payments. Freed, albeit only temporarily, of those burdens, Eurotunnel executives said that the company is now generating enough cash to pay its own way. Georges-Christian Chazot, Eurotunnel's

chief executive, predicted healthy revenue gains in 1996, the first year in full operation. While the price war has cut deeply into the money Eurotunnel generates on its traffic, the company reported that it was happy with the growth in that traffic, saying it oow gets 36 percent of passenger cars and nearly 50 percent of the trucks on the Dover-Calais route.

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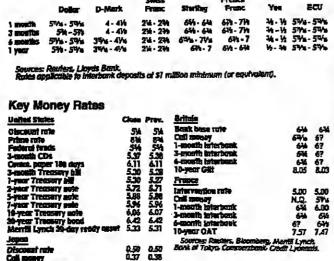
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Mr. Catronis is on 18 year veteron corrency trader. He has authored numerous publications and software programs for beginners and experts alike. He has searched hundreds of currency programs and transacted billions of dollars r real-time trade. Currently he is accepting a limited number of new accounts. Account minimums \$10,000 to \$5,000,000 USD, depending the on program. FOREX CAPITAL MANAGEMENT Excellence in confidential tradity services.

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Saudi riyal 6.531 1.513 6.263 25.91 2.38 148.80 3.6639 769.25 6.9606 26.79 25.10 233.83 7.732 133.74 33.90 2266. 0.6203 3.012 0.2987 2.531 8.318 ?6.57 5.5295 3.392 Forward Rates

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Gold

Investor's America 30-Year T-Bond Yield 1.30 Exchange Friday Close . Close Change 4762.71 +0.08 4756.68 The Doe NYSE S&P 500 582.14 582.63 -- 40.08 NYSE S&P 100 554.83 554.91 -0.01 312.01 +0.06 NYSE 312.20 Composite U.S. Nasdaq Composite 1014.69 1014.20 ·.+8.05 AMEX Market Value 532,40 +0.15 4499,80 -0.08 Toronto São Paulo 45146.30 4492240 +0.50 2407.54 2347.66 +2:55 Maxico City Bolsa 443.21 +0.17 441.97 Busnos Aires Merve 5855.75 +0.32 IPSA General 5874.A5 Santiago. 1277.18 Capital General

Very briefiy:

Wichita, Kansas.

 Teleglobe Inc. and TRW Inc. have agreed to build a \$2.3 billion satellite telephone system for mobile-phone subscribers worldwide, joining half a dozen competitors in the field.

 Oracle Corp., the database software vendor, says it has designed three inexpensive terminals for people who want to use the Internet but do not want full-service personal computers.

Novell Issues Profit Warning

PROVO, Utah (Bloomberg) - Novell Inc. says fiscal fourthquarter earnings will be as much as 46 percent below estimates, with a lack of software for the new Windows 95 operating system hurting the company's sales.

Novell said it expects to post earnings of 15 cents to 18 cents a share for the quarter ending Oct. 28, not the 28 cents a share

predicted by analysts. The company, which makes the popular WordPerfect word processing program, will not have programs for Windows 95 on the market until 1996. Novell issued its statement after the market elosed; its stock dropped 37.5 cents, to \$17.375.

Boeing Workers Walk Off the Job

SEATTLE (Reuters) - Picket lines went up outside Boeing Co. factories in three states as nearly a third of the airplane maker's work force went on strike over medical benefits and job security. The 32,500 workers represented by the Machinists union walked off the job at Boeing after widely rejecting a proposed contract. Boeing has plants in Seattle; Portland, Oregon; and

Apple Chief Sees Better Times Ahead Technology Stocks

By John Markoff New York Times Service

CUPERTINO, California - "Give us one strong quarter, and all this will go

That was the response Thursday from Michael H. Spindler, chief executive of Apple Computer Inc., a day after his top lieutenant resigned and the board gave Mr. Spindler what was widely perceived as

merely a pro forma vote of confidence. In an interview at Apple's headquarters bere, Mr. Spindler conceded that the company had made mistakes - but not fatal ones - and he insisted that it would continue to be profitable, only more so.

Discounting reports that Apple, America's third-largest maker of personal computers, has been seeking a merger partner, he implied that the company intended to remain independent - even if in a scaleddown version.

After hitting production snags and un-derestimating demand for its PowerPC line of Macintosh desktop and laptop computers, Mr. Spindler said, the company is ready to make up lost ground in an industry that has seen explosive growth in the last year, especially in the consumer

Because its hardware and software designs do not conform to the industry standards, Apple feels the effect of production shortages more severely than other computer makers.

It has been struggling to manage a product transition to a new processor chip, the PowerPC, that it jointly designed with Mo-torola Inc. and IBM. Apple began the transition a year ago, but customers have rushed to adopt it more rapidly than the company had anticipated. Unfilled orders reached a staggering \$1 billion in June.

Apple's fourth quarter, which ended on Sept. 30, was especially trying, as the company scrambled to finish converting its entire product line to the PowerPC. In mid-September, the company said its earnings for the quarter, which some analysis had forecast at \$1.03 a share, would be

This has been the most difficult quarter in the history of Apple Computer," Mr. Spindler said.

"With all the media attention the stress is very high," he said. "Twe been around the block a couple of times, but there are days when I have trouble looking in the mirror. But if we fundamentally believe in Apple, then focus, focus, focus will eventually pay off, and we have to communicate that." Mr. Spindler, who offered a well-publi-

cized critique of his industry peers last year

too many visionaries"—said be saw no reason to change Apple's basic business strategy: to shift Apple from a "product oriented" company competing head-to-bead with Compaq Computer, IBM and other computer makers, to a "market oriented" company that specializes in serving customers in specific areas like education. publishing and bouseholds.

Helping create the air of crisis at Apple was what some analysts have described as an insurrection by Apple's chief financial officer, Joseph A. Graziano, who resigned on Tuesday after Apple's board, led by the chairman, A.C. (Mike) Markkula, affirmed its support for Mr. Spmiler.

Mr. Graziano was reported to have been campaigning for Apple to find a buyer, arguing that the company could no longer survive independently in an industry that many perceived to be increasingly monolithic, under the the dominance of the chip leader, Intel Corp., and the software leader, Microsoft Corp. In personal computer

sales, Apple's market share has lately declined to less than 8 percent.

Mr. Graziano has have translated.

Push Nasdaq Down

Mr. Graziano has been unavailable for comment, and Mr. Spindler was not willing Thursday to directly address the uprising, although he did hint that new alliances might be in Apple's future.

■ Ailing Unisys Will Split Into 3 Units Unisys Corp. said it would split into three units, fire employees and take a fourth-quarter write-off of more than \$400 million as part of an ongoing effort to turn around the ailing computer maker, Bloom-berg Business News reported from Blue

Bell. Pennsylvania. The restructuring is the second in a year by the computer maker, which is struggling to wean itself from selling mainframe computer systems to focus on computer services. Unisys, which was created in the 1986 merger of Burroughs Corp. and Sper-ry Corp., lost almost \$2.5 billion between 1989 and 1991 as prices and demand for

mainframe computers tumbled. The company, which is based in Blue Bell, will set up one business to sell computer systems and software and two others to run computers for customers, said James Unruh, the Unisys chairman. Un-isys said services accounted for about half of its \$6 billion in sales for 1994. Products made up the other half.

"We have progressed in a transforma-tion started in 1991 from a mature traditional mainframe company to where approximately 40 percent of our business is growing in double digits annually," Mr. Unruh said.

Unisys also said the measure would save about \$400 million. Job cuts will come in the U.S., Europe and Canada, analysts said. In January, the company took a \$186 million charge to cover the cost of firing 4,000 employees.

closed mixed Friday as declines ing to be O.K." in technology stocks belped drive down the Nasdaq Composite Index. Bonds were little

changed. Aluminum Co. of America.

whose sales rise as the economy U.S. Stocks

improves, led the Dow Jones industrial average up 6.50, to close at 4,769.21. Alcoa said its third-quarter earnings had risen to \$1.27 per share from 39 cents a year earlier. Its stock ended at 531/4, up 11/2.

Advancing issues on the New York Stock Exchange led decliners by about a 9-to-8 ratio. Volume was about 313.64 million shares, up from the 299.09 million shares traded Thursday.

Concern that technology stocks have flown too high weighed on broader indexes. The technology-laden Nasdaq fell 2.17, to 1.012.03, depressed by Microsoft, DSC Communi-cations and Cisco Systems.

IBM was off 1/2 at 94% on the New York Stock Exchange. But Intel was up 11/2 at 62 on the Nasdaq, after Merrill Lynch raised its short-term rating to buy" from "above average."

Commenting on the rise of Alcoa, Larry Wachtel, a stock analyst at Prudential Securities, said, "This is the first major

Compiled by Our Staff From Dispatches corporation to report. So may-NEW YORK - Stocks be the cyclical earnings are go-

> Alcoa's earnings boosted the stocks of other economically sensitive companies. Boeing. also a component of the Dow. was up % at 651/2, even after the company's workers voted to strike.

Unisys shares rose 1/2 to 8%. The company said it would break into three parts: information services, global support services and computer systems.

Before the stock market opened, the Labor Department said businesses had added 121,000 payroll jobs in September, fewer than analysts had expected. The unemployment rate stayed unchanged at 5.6 percent.

Economists said those figures indicated that the economy was growing at a slow but steady pace and that inflation was not a problem. Bonds initially ignored the positive aspects of the job report and prices went down for technical reasons.

But bonds rallied at midmorning, after Columbia University's Center for International Business Cycle Research said its leading inflation index had declined to 106.2 in September from 106.5 in August and had fallen 6.5 percent since the beginning of the year.

(Bloomberg, AP)

FRANCE: Central Bank Intervenes to Halt Franc's Plunge Against Mark

Continued from Page 13

tions to a band of 15 percent from their central rates.

For the French and German currencies, the central rate is

3.35 francs per mark. "What is happening," said Brendan Brown, chief economist at Mitsubishi Finance in London, "is there is a loss of confidence in France being able to follow the timetable for Euopean monetary union."

Mr. Brown noted that the premium on 10-year French the return on comparably dated dex down by more than 2 per- contradictory targets of cutting against the French franc on Fri-

percentage point, the first time centage point, to 1,809.57. that has happened since late ters about French economic in Paris, said Friday's franc policy. At the end of trading, the 10-year French yield was 7.57 percent, 99 basis points

Thanks to the central bank's speedy intervention on Friday, the franc's plunge was halted and the French Bourse, which government bond yields over had seen its CAC-40 share in- possible to have apparently

of 6.58 percent.

German issues widened at one cent, sharply reversed course, the deficit and reducing unempoint on Friday beyond one full rising 9.25 points, or half a per-

Eric Chancy, senior econo-1992, and a sign of market jit- mist at Morgan Stanley & Co.

Foreign Exchange

above the 10-year German level weakness occurred because markets have "growing doubts about the consistency of French economie policy."

rates would be likely. The key question, Mr. Chaney said, "is whether it is Dollar Gains on Franc The dollar closed higher

from New York. It ended at 4.9955 francs, up from 4.9290 at the close on Thursday. The U.S. currency also rose ployment with high interest rates at the same time. And cur-

major currencies amid concern rently economic growth is weakening. On top of that there that the Group of Seven industrialized nations might take is the possibility of Mr. Juppé steps to bolster it when they being obliged to resign because meet this weekend. of the preliminary legal investi-The dollar ended at 1.4218 gation that has been opened." Mr. Chaney and others said it

Deutsche marks, up slightly from 1.4203 at the close on more aggressive plans to raise Thursday; at 100.55 year, up the U.S. currency has made infrom 99.400; at 1.1450 Swiss vestors cautious. was possible the franc would remain under fire next week, in which case a rise in interest francs, up from 1.1375. The British pound eased to \$1.5830 from \$1.5855.

United States, Japan, Germa-

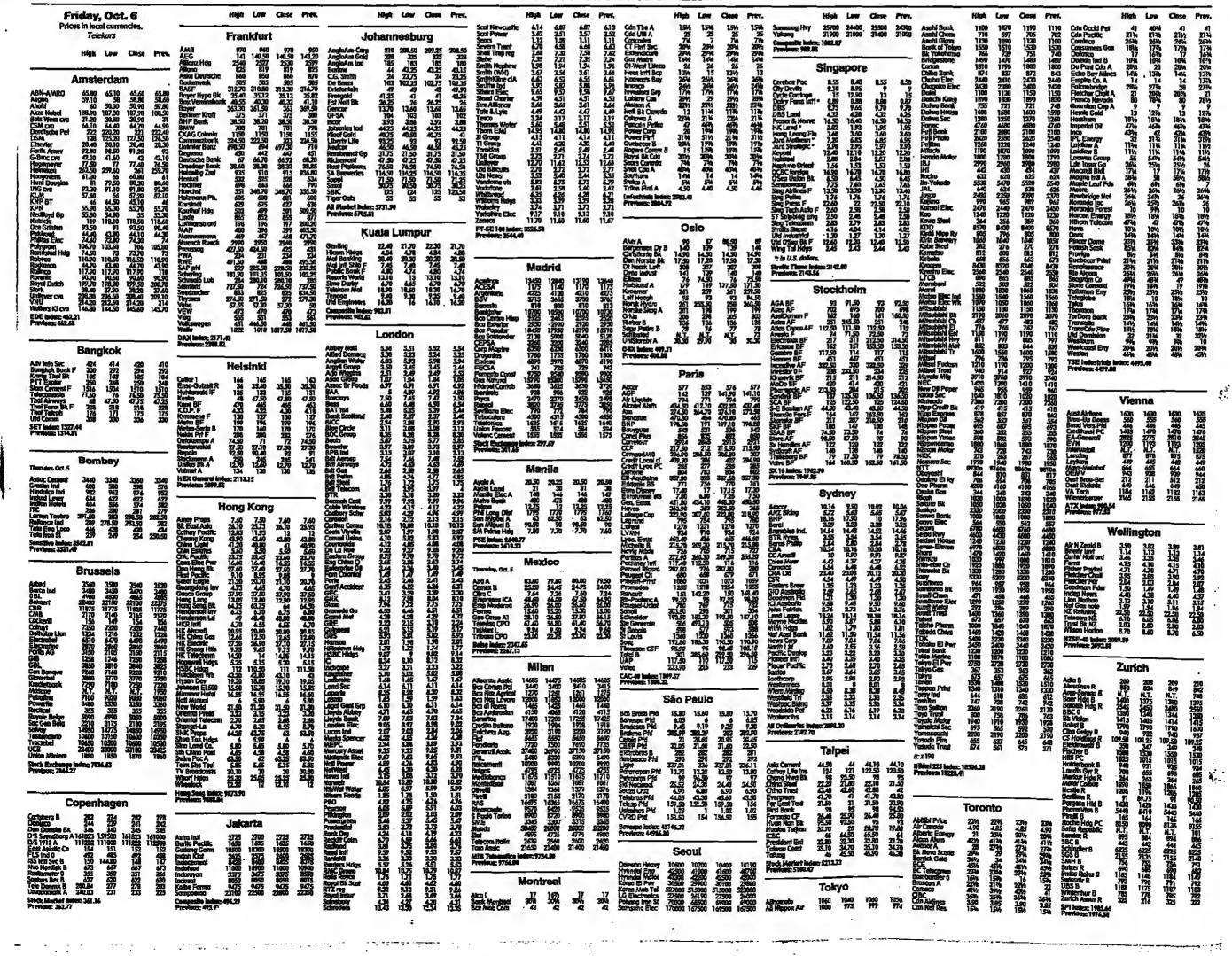
news agencies reported ny. Britain, France, Italy and Canada are scheduled to gather Saturday in Washington.

In April, G-7 officials vowed to work together in the foreignagainst the yen and most other exchange market to cause an "orderly reversal" of the dollar's plunge to post-World War II lows. While most traders expect the G-7 to do no more than reaffirm their support for a strong dollar, the possibility that the group might announce

The G-7 meeting has helped provide a base for the dollar," said Dave Glowacki, senior Monetary officials from the trader at NBD Bank in Detroit.

(Bloomberg, Reuters)

WORLD STOCK MARKETS



Postbank Seeking Big Banks to Help Takeover Defense

FRANKFURT - Deutsche Postbank AG, Germany's largest savings bank, was reported Friday to be enlisting major banks to help it ward off an unwelcome takeover offer from the German post office and two

NAREDSIA

financial partners. Confronted by the largestever hostile bid in Germany. Postbank has called together its supervisory board for a meeting Saturday to put together a defensive strategy.

Media reports have speculated that Postbank is trying to

Barclay Brothers Planning to Buy London's Ritz

Compiled by Our Staff From Disparches LONDON - The reclusive British investors Frederick and David Barclay are buying London's elegant Ritz Hotel for £75 million (\$118.8 million), Trafalgar House PLC, the owner, said on Friday.

The Barclay twins, who closely guard their husiness affairs and their their private lives, own a string of expensive hotels around the world and also the European, the weekly newspaper founded by the late Robert Maxwell.

The sale, at £15 million more than book value, is expected to be completed early next month.

Trafalgar, an affiliate of the Jardine Matheson group that has been undergoing a restructuring said it would use the proceeds to pay off existing deht. which on March 31 totaled £248 million, or 38 percent of equity. Jardine's Hongkong Land Holdings Ltd. has a 26 percent stake in Trafalgarr.

Ellerman Ltd., the Barclays cothers' investment company, could not be reached for comment. The Barclay companies also hold a 24 percent stake in the casino operator London Clubs International PLC, which already operates a casino in the privarization in 1997 or 1998. (Reuters, Bloomberg)

induce hig-name banks to take a stake in it, which would enable it to improve its counter-offer to its owner, the cash-strapped

German government.

Last weekend, a group including Deutsche Post AG, Deutsche Bank AG and Swiss Reinsurance Co. stunned financial circles with an offer of 3.08 billion Deutsche marks (\$2.17 billion) for 75 percent of Postbank.

But in the letter dated Oct. 4. Günter Schneider, chairman of Postbank's management board, told the Postal Ministry that a competing bid organized by his company would value 50 per-cent to 60 percent of Postbank at 3 billion to 3.6 billion DM. That offer puts a 6 hillion DM value on all of Postbank, compared with 4.1 billion in the

Posthank is proposing to sella 40 percent stake to a group of four investors with whom it would also cooperate in providing fund-management services.

mortgages and insurance.

A Postbank spokesman specified that an additional package of 10 percent to 20 percent of the shares would be placed with an intermediary company before

being sold to private investors. Postbank has not named its partners, but German newspapers have speculated that Com-merzbank AG. Union Bank of Switzerland, and two German construction finance concerns

-Wüstenrot Group and BHW Bausparkasse AG —are among them. BHW has confirmed it is interested in taking a stake. Commerzbank and UBS would not comment.

The autonomy of Postbank, an affiliate of Deutsche Post, has been questioned for years because the bank operates out of post office facilities and supports the postal service through rent payments, which last year amounted to 1.4 million DM.

But the bank has argued that it should be allowed to pursue plans for expansion and restructuring independently of the postal service.

It has been advised since early last year hy Lehman Brothers, which reportedly has drafted plans for the hank's

(AFX, Reuters)

Surf's Up for Liechtenstein's Lotto Will Principality Find Fame Through the Internet?

By Erik Ipsen

LONDON — Can a principality known—to the extent that it is known at all - as a tax haven and as a world leader in the manufacture of false teeth ever aspire to being a major power in the multibillion-dollar world of national lotteries? Will its high payout and its favorable odds give it enough of an edge to cut into the takings of older and more famous games?

On Saturday evening at the Kafferli bar in the quaint capital of Vaduz, Liechtenstein aims to find out. Caroline Burdet, Liechtenstein's first Olympic bobsledder, will draw the winning six numbers for what is billed as the first nationally sanctioned lottery on the In-

Is the competition is running scared? "We don't feel threatened," insisted-Mariana Crawley, a spokesman for Britain's new national lottery. "Frankly. I'd be challenged even to find Liechtenstein on the map.

The International Lottery in Liechten-stein — InterLotto for short — has something better than that: a site on the Internet - http://www.interlotto.li. Expectant InterLotto executives talk

of the estimated 50 million people who now surf the Net, and say that that number is growing at the rate of 10 percent per month. They note that, on average, one of every two adults who have access to a lottery will play it.

Having said that, however, the executives quickly concede to some cyberspace imponderables.

The psychology of people on the in-ternet is probably different from the standard in any given country." said David Vanrenen, an InterLotto board member as well as the chairman of Micro Media Services Ltd. It was Miero Media. a fledgling British software developer, that came up with the lottery on the Net

"After all, they are people with comnters," he said.

The fact is that no one yet knows what opensity those people have for gaming. Micro Media has penciled in a forecast of 1 million players per week hy year-end. That is 33 times the size of the iechtenstein population of 30,000.

What is certain is that there is no cheaper way to run a lottery than electronically. Gone in the InterLotto rendition of the game are the thousands of corner store agents with their pricey lottery terminals and their commission on each sale. InterLotto credits its rockbottom operating costs with its ability to offer winners 65 percent of total takings. That is far above the 55 percent offered hy the next-most-generous lot-

Where InterLotto scores much lower is in the amount of money it channels to charity — a mere 5 percent of revenue. That leaves 30 percent to cover operating

As a nonprofit foundation, InterLotto

is supposedly run for the benefit of charities nominated by the Liechtenstein government. Players have the option of picking their own cause by ticking off options ranging from "animal welfare" to "medical research" on the lottery's electronic entry form.

When our costs drop we will expand on that 5 percent." Mr. Vanrenen pledged.

For tiny, terribly affluent Liechtenstein, the lottery may include promotional benefits.

"For sure, greater exposure for Liechtensiein was an important selling point for the lottery here," said Hugo Sele, a Vaduz-based lawyer who sits on the four-man board that will dole out Inter-Lotto's profits to charity. "Now Liech-tenstein bas a page on the Internet."

While Liechtenstein has the attention of the most technologically attuned people in the world, it plans to cash in. InterLotto players can click on "Inter-Lotto Background" and discover that Liechtenstein is a small country between Switzerland and Austria whose currency is the Swiss franc, etc., etc.

To play the lottery and to get a crack at its guaranteed minimum jackpot of I million Swiss francs (\$872,100), players must huy a minimum of two tickets at 5 Swiss francs each, which will automatically be charged to their MasterCard accounts.

To answer questions on Liechtenstein, Net surfers need only pay the con-

Investor's Europe Frankfurt London FTSE 100 index DAX **CAC 40** 2300 2100 3500 222) 3300 N 1800 3150 3000 M_JJASO ¹⁷⁰⁰ M J J A S O Friday Close Exchange index Prev. Close Chanc Amsterdam EOE 462.21 462.68 -0.10 Brussels Stock Exchange 7,836.63 7,844.27 -0.102,208.82 Frankfurt DAX 2,171.43 -1.69 Copenhagen Stock Market 362.77 -0.44 361.16 Helsinki HEX General 2,099.55 2,113.12 +0.65 409.31 408.88 Oslo +0.11 London FTSE 100 3,526.50 Madrid Stock Exchange 297.69 301.65 -1.31 MIBTEL 9,754.00 9,766.00 -0.12 Paris CAC 40 1.809.57 1,800.32 +0.51 Stockholm SX 16 1,962,90 1,949.95 +0.66 Vienna ATX 980.54 977.53 +0.31 Zurich 1.985.66 1,976.58 +0.46

Very briefly:

Scottish Power PLC said it won its £1 billion (\$1.58 billion) bid for the English electricity producer Manweb PLC, declaring its offer unconditional after it received more than 60 percent of the

 McDonald's Corp. has been stripped of the registered trademark in South Africa. A court ruled that the fast-food chain had not used the trademark, making it possible for a local chain to operate

• Iridium Inc., which plans to launch scores of satellites to provide a global telephone network, said it was six months ahead of schedule and first launch would take place in mid-1996.

• RWE AG said net profit in fiscal 1995 rose 18 percent, to 1.09 billion Deutsche marks (\$759.2 million), prompting the diversified German utility to propose a 14 DM dividend. Bloomberg, AFX, Rewers

EU Reluctant to Restrict Cheap Spanish Drugs

BRUSSELS - The European Commission said Friday it saw no reason to allow France and Germany to block pharmaceuticals from Spain, but it asked for more information on the matter.

A commission spokeswoman, Betty Olivi, said the two governments wanted to continue to han the drugs under a "safeguard clause" in the 1985 treaty that

brought Spain into the European Union.
That treaty allowed other EU states to refuse Spain's pharmaceutical exports during a transition period that Ms. Olivi said would expire at the end of this year. European pharmaceutical companies have been lohhying to extend the restric-

tions, saying a flood of low-cost exports from Spain would hurt their business. But Ms. Olivi said the commission could not invoke the safeguard clause unless there was proof the exports would cause

ties in France and Germany. "At this stage, the commission doesn't consider that there are objective reasons

serious and persistent economic difficul-

for saying serious economic difficulties exist and are likely to persist," she said. "The commission will therefore ask for further information."

The transition period was built into Spain's membership treaty because Madrid did not then offer patent protection. The treaty said pharmaceutical patentholders in other Union countries could har drugs from Spain until the "end of the third year" after such protection was introduced. Spain established patent protection for new products in 1992.

Companies are alarmed by the prospect of Spanish competition because state-controlled prices and the steep depreciation of the peseta have kept Spanish prices below those of the rest of Europe.

But importers argue that they have a right to take advantage of price differences within the EU, where trade is supposed to flow freely across horders.

■ Japanese Car Limits Tightened The European Union reduced the number of Japanese car imports it would allow

this year hy 3 percent because of sluggish sales in the 15-nation EU market, Bloomberg Business News reported.

The strength of the yen means that Japanese car exports are unlikely to reach this year's limit, making the change in the quota largely academic, EU officials said.
Imports will be limited to 1.071 million

cars compared with the 1.105 million quota agreed in March. Union officials said the reduction follows a lowering of its 1995 car sales growth forecast to 1.7 percent from 4.3 percent in March.

Japan agreed to EU import limits linked to the total size of the market in an agreement signed in 1991. In exchange, the EU agreed to scrap quota restrictions in 1999.

In the first eight months of the year Japan exported 510,000 cars to the EU.

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Greenalls to Buy Boddington

£518 million (\$820.3 million) to be a premium."

Boddington Boddington Boddington Boddington, hased in Alderley Edge, Cheshire, owns 300 managed pubs and 150 tenantas Britain's largest independent

The offer, a mixture of cash and shares, carries more than a 50 percent premium to Boddington's market value, Analysts agreed the purchase was expensive but could be worth

"It's a pretty full price," said Eric Frankis at Hoare Govett 389.5 pence.

pub operator.

Ltd. "The point is that estates LONDON - Greenalls with 300 managed outlets don't Group PLC made a friendly come along everyday. There has £518 million (\$820.3 million) to be a premium."

ed pubs around Manchester and Liverpool. The purchase allows neighboring Greenalls to increase the total number of its U.K. pubs to 2,370.

Shares in Greenalls closed

5.4 percent lower, down 26.5 pence at 462 pence, after dropping to 459. Shares in Boddington closed 31.5 pence, higher at

0.95

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Indexes Close N.A. N.A. 148.B2 238.51

AMEX

Friday's 4 p.m. Close
The top 300 most-active shares,
up to the closing on Wall Street.
The Associated Press.

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U.S. STOCK MARKET DIARY

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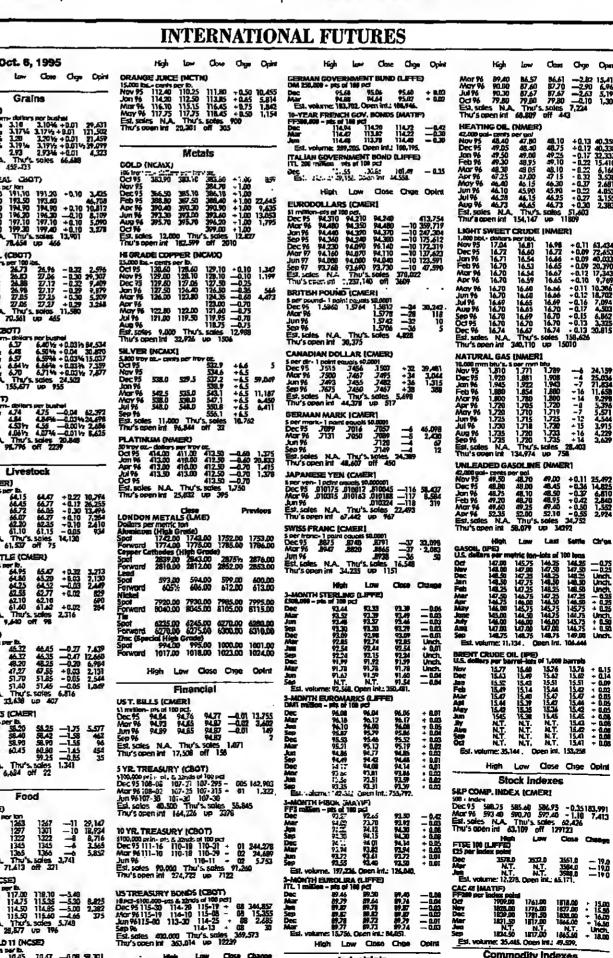
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U.S. Displeased With China Trade Imbalance Reflects Piracy

ed States expects its trade deficit with China to reach \$38 billion in 1995 and \$45 billion to \$50 billion in 1996 if current trends continue, a U.S. official

"Just to be candid, our side of the bilateral relationship is not so rosy," Lee Sands, the assistant trade representative for China and Japan, told a business seminar in Hong Kong.

'U.S. exports to China rose only 6 percent last year, despite the competitive strength of our industries. It's possible that in a few years our deficit with China be larger than the deficit with Japan," he said.

deficit of \$30 billion with China in 1994, second only to its \$66 billion deficit with Japan. It recorded a \$108 billion global deficit last year despite a 10 per-

cent increase in global exports.

A U.S. trade official who requested anonymity said Beijing was oot living up to its promise tellectual property rights, a sub-to close down producers of pirated goods, even though it was cracking down on retailers.

"The most blatant and obvious problem, and the one we are going to focus the most attention on in the short term, is the continued existeoce of pirated-CD [compact-disk] factories," the official said.

HONG KONG — The Unit- taken no serious action to correct the problem," he said, adding that six out of seven factories that were closed have since reopened.

Under the accord, Beijing had promised to crack down on pirates, improve copyright protection and open up barriers to U.S. music, movies and other

intellectual property goods.

Mr. Sands said 40 percent of China's exports went to the United States, making it China's largest and most open market.

Washington has long been keeping a wary eye on its large trade deficit with China, and especially its rapid growth. 'Our trade deficit with Japan

The United States had a trade has been decreasing month by month, year by year, while our trade deficit with China accel-erates," Mr. Sands said. "Right now it is growing at a

25-30 perceot clip."
Mr. Sands is scheduled to visit Beijing next week and will spend two days looking at in-States and China narrowly

averted a trade war before reaching an accord earlier this year. The liberalization of China's trade policies and the opening of its markets to U.S. exports have been a sticking point in negotiations to bring China into the global trading system.

Making Sense of Daiwa's Losses

Trader's Odd Moves Hid \$1.1 Billion Bad Bets

By Saul Hansell New York Times Service

about Toshihide Iguchi — they called him Toshi" — that did not make sense.

complex maneuver used mainly by specialized traders who seek to exploit small mathematical discrepancies in the market.

But these moves did not seem to fit with Mr. Iguchi's other trading. Although he certainly made large bets, he was ostensibly a straightforward short-term investor wagering interest-rate moves.

Last week, the motive for the strange trades became clear when Daiwa announced that Mr. Iguchi had racked up \$1.1 billion in losses over 11 years. When I saw in the paper what he did.

I finally understood what happened." said a trader who had done business with Mr. Iguchi at Lehman. The effect of those unusual trades.

known as basis trades, was actually to belp hide losses in the futures market, say three traders who worked at Lehman in the late 1980s and early 1990s.

In fact, Mr. Iguchi appears to have covered his tracks so well that in its initial statements, Daiwa and the U.S. Justice Department, which has brought fraud charges against Mr. Iguchi, said he had only traded Treasury bonds and had done no trading in futures or any other deriva-

Derivatives are fast and easy ways to make big bets on financial markets and

have been involved in some of the biggest financial disasters of recent years. Futures contracts were behind the downfall of ment on any futures trades by Daiwa. NEW YORK — To futures traders at Barings PLC of Britain when a trader in its Lehman Brothers, there was something Singapore office lost \$1.3 billion trading futures on the Japanese stock market.

What's more, according to these At the end of a hectic day, Mr. Iguchi, a traders, who spoke on condition of bond trader at the New York branch of anonymity, those complex trading ma-Daiwa Bank Ltd., would often execute a neuvers by Mr. Iguchi could well explain a central mystery: how he was able to tap into the bank's long-term bond holdings. and its holdings of customers' bonds, to cover his mounting losses.

One key point is that Mr. Iguchi was in charge of bond trading and some recordkeeping. That dual position, specifically criticized as unsound by the Federal Reserve Board in 1992 and 1993, appears to have allowed him to hide even more of his trading tracks. The basis trades apparently permitted Mr. Iguchi to move the futures losses into bond accounts, which he controlled more directly, the traders said.

In its fraud charges against Mr. Iguchi, the Justice Department in New York said he had forged a statement from Bankers Trust New York Corp. showing \$4.5 bil-lion of bonds beld in Daiwa's account. when the account contained only \$3.4 billion. It is that \$1.1 billion gap that is said to represent Mr. Iguchi's trading losses.

But it is still unclear how much of

Daiwa's problem came from any futures trading by Mr. Iguchi.

Daiwa, based in Osaka, has already been harshly sanctioned by federal and New York state regulators, who have ities in New York. It faces further investigation by Japanese authorities.

Representatives of Daiwa, Lehman and the Justice Department refused to com-

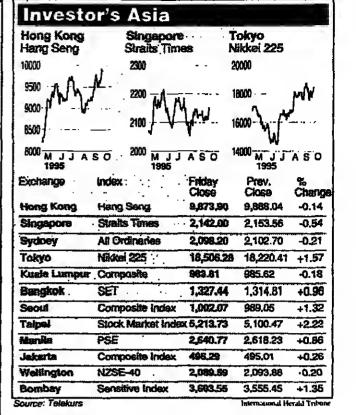
The root of Daiwa's problem may lie in Japan's rush to get a financial footbold abroad. In the mid-1980s, at the peak of Japan's financial rise, Japanese banks and brokerage firms were eager to establish themselves among the leading players in New York and London financial markets.

Mr. Iguchi was one of a handful of traders who burst on New York's bond market, buying and selling in huge quantities. Even at the time, this appeared to be more bravado than skill, as most successful traders are as discreet as possible.

Still, Mr. Iguchi was one of the most active and profitable customers for Lehman's futures desk, Lehman traders said. "It was a hot, hot account and was handled with kid gloves," a trader said. On the phone, another trader said, Mr.

Iguchi was abrupt, but no more so than many others on Wall Street, which is generally not considered the politest of places. Those who met him, though, described a shy, reticent man with a slight build, who often talked about his personal problems, such as an unpleasant divorce. What Mr. Iguchi did not talk about, but what appears to have been eating away at

him, was a disastrous record as a trader. In a rambling 30-page letter that Mr. Iguchi sent to the president of Daiws in late July admitting the losses, be blamed his worry about his trading losses for the end of his marriage, said a person who read the letter and who spoke on convirtually closed down its trading activ- dition of anonymity. "He said he was ready to confess at least four times, but then be didn't," the person said.



Very briefly:

Yamaichi Securities Co., one of Japan's Big Four brokerage houses, doubled its pretax profit forecast, to 5.2 billion yen (\$52 million), for the first balf of the financial year ending in March.

The Philippines pushed back the target date for the deregulation of its oil industry to June 1997 because it expects changing the tax structure will be difficult.

 Kurrajong Corp., based in Sydney, will pay \$212 million for the right to build a cable car across the Huangpu River to Shanghai's Pudong development zone.

Goldman, Sachs & Co., boping to gain a foothold in Thailand, plans to form an alliance with the brokerage and research units of

Texas Instruments Inc.'s chairman, Jerry Junkins, said semiconductor sales in Asia this year could climb by as much as 50 percent, surpassing projected world semiconductor industry growth of more than 35 percent.

 Straits Steamship Land Ltd. said it and an Indonesian partner would spend \$60 million to build a shopping complex in the Indonesian city of Surubaja.

 Singapore Telecommunications Ltd.'s overseas investment arm will lovest \$18 million in a joint veoture to build a mobilephoce network in the region around Suzhou, China.

Enron Corp. of the United States said Friday that it was ready for "immediate talks" with India's Maharasbtra state to put an axed \$2.8 billion power project back on track.

• Fujitsu Ltd. of Japan and Lexmark International Inc. of the United States formed an alliance in development, manufacture and sales of printers and related products.

Bloomberg, Reviers

Bloomberg, Reviers

Taipei Apt to Ease Ban

TAIPEI — Taiwan is ready to soften a ban on air links with mainland China to enable Air Macau to fly between Taiwan, the Portuguese colony and China, a civil-aviation official said Friday, but an official at Taiwan's Mainland Affairs Council said a final decision had not yet been made.

Currently there are no direct flights between Taiwan and China. Taipei insists that passengers flying from the island to the mainland via a third territory must change aircraft there before continuing on to China. Taiwan will waive this condition in case of Air Macau, which starts operation Nov. 9. because the airline has only two aircraft, making a change 'impossible," the aviation official said.

Nissan Predicts Return to Profitability

TOKYO - Nissan Motor Co, said Fri-

day that it expected to return to the black for the first time in four years. Sales of new car models and reduced

costs have led Japan's No. 2 carmaker to expect an operating profit of 5 billion yen (about \$50 million) for the six months ended Sept. 30, Koichi Takagi, the company's managing director, said.
That compares with an earlier forecast of

a 10 billion yen loss in the first half. It is also a substantial improvement from a loss of 82.6 billion yen a year earlier.

Nissan said its current, or pretax, loss will come to 9 billion yen in the first half,

compared with the earlier loss forecast of 30 billion yen.

Net loss is expected to shrink to 13 billion yen; Nissan previously estimated a 30 billion yeo loss. The revisioo takes into account an 18.5 billion yen one-time loss linked to payments for early retirement. "It's a sign of real turnaround at Nis-

san," said Peter Boardman, analyst at UBS

Securities Ltd. After several years of declining sales in Japan, Nissan is winning back market share from competitors such as Toyota Motor Corp., the leading Japanese automaker,

with a fleet of remodeled cars. Nissan's market share rebounded to 21.7

percent in the first half of this fiscal year, from 20.9 percent a year earlier. Sales of the new Cedric/Gloria luxury-car series have been particularly strong, Mr. Takagi said. Nissan cut costs more deeply than it originally planned after the yen surged to a record against the dollar in April, he said.

The company bad planned to shave its expenses by 80 billion yeo in the first half, but savings came to more than 90 billion

Nissan, which is working off debts from expansion in the late 1980s, also benefited from low interest rates in Japan. Nissan's outstanding debt stood at 940 billion yen in the first half, Mr. Takagi said.

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Investing: Rhyme Or Reason?

MAGINE that the life of the mind is divided in half. On one side of your bifurcated world is the cool, the cerebral, the domain of reason. The secand hemisphere is warm and instinctive, a band where intuinon reigns. Which kingdom do stock and bond markets and financial decision-making inhabit?

If you believe that markets and investing live in the chilly climes of abstract thought you probably haven't speot too long track-ing your investments through the ups and downs of raging, irrational bull runs or the weird, depressing illogic of a bear phase. Those who believe that markets are the product of logical thought are subscribing to a myth that is ceotral to the ever-mushrooming cult of the market.

For the simple truth is that financial markets are driven by motors from the warm side of the mind — sentiments such as fear and greed, bullish euphoria, bearish psychosis. True, the 'real' world of economic data and interest rates does have an impact, but each piece of new information is assimilated through the distorting medium of collective market psychology.

If you doubt this, call a market maker and ask why a price has risen. The response is likely to be. "More buyers than sellers," or vice versa if a price has fallen.

And if you still need convincing, read Robert R. Precbter's new book, "At the Crest of the Tidal Wave." It is filled with trenchant insights into market patterns and investor psychology. He argues engagingly and entertainingly that investor behavior follows set patterns.

Mr. Prechter may not be right in pre-dicting a bear market by year-end, but his analysis is a must for would-be investors.

"At the Crest of the Tidal Wave," by Robert R. Prechter, Jr., is published by New Classic Library, P.O. Box 1618, Classic Library, P.O. Box Gainesville, Georgia 30503.

By Conrad de Aenlie

RUE believers in the notion that financial markets have seasonal patterns will oo doubt view the strong advance in U.S. stocks last month as the exception that proves the rule - the rule in this case being that share prices fall in September far more often than they

Jeremy Siegel, a finance professor at the University of Pennsylvania's Wharton School of Business Administration, in a paper titled "September: a Month to Avoid Stocks," ooted that from 1890 through 1994, the Dow Jones industrial average or its predecessor fell in 63 Septembers and rose only in 41.

fact September was the only month with a losing record over the 104 years. It is also the only month with a negative total return. Even when dividends were reinvested.

Mr. Siegel found, the Dow stocks lost 1.2 percent of their value in September.

That doesn't seem like much, but over time the impact can be enormous. Mr. Siegel tested three strategies over the period stud-ied, each one excluding dividend reinvestmeot and the effect of transaction costs.

Buying and holding the Dow stocks for 104 years would have turned \$1 into \$101. But a pathetically incompetent market timer who bought at the end of August and sold a month later every year would have seen his precious buck whittled away to less than 25 cents.

A timer astute enough to have sold at the end of each August and bought back his shares a mooth later would have \$410 to show for it, more than four times the gain that a straight buy-and-hold strategy would

Records for stock markets outside the United States are sketchier and shorter, but Mr. Siegel found that from 1970 through 1994, September was a losing month in all 20 markets he studied, when figured in local currencies.

In the United States, the September Effect, as Mr. Siegel has dubbed it, was more pronounced during the last two and a half decades: The Dow rose only five times in the month, although this year makes it

The professor's research confirms what many students of the market have long known, or at least suspected.

Investor Psychology

Page 21 Commodities cycles

The madness of crowds
Why Britain loves summer

"Generally we tend to have a less advantageous time in September, October, November," Bernadette Murphy, a technical analyst at M. Kimmelman & Co.,

'It's a period of time in the calendar when profits seem to be taken, people are having to pay bills, professional portfolio managers are taking profits ahead of the

She noted that the fund industry has The index rose during 56 percent of the months during the period of study, and in fact September was the only month with a autumn so that their year-end reports will

make pleasant reading for sharebolders.

The flip side of the September Effect is the January Effect, the long-recognized tendency for stocks, especially small ones, to rally at the start of the year. In the 104 years that Mr. Siegel studied, the Dow rose

in two-thirds of the Januarys. September is the month where tops are made and bear markets start, and January is the best month, followed by July and August," said Neil Leeson, an analyst at Ned Davis Research.

In a study of its own, Ned Davis looked at rolling three-month periods since 1952 and found that December through February was the best time of the year to own U.S.

ANUARY is not only the best month but crucial in determining the course of the next 11. Louise Yamada, an analyst at Smith Barney who specializes in seasonality and cycles in the market, said it is then that the die for the entire year is often cast. "If the first five days are up, and theo the rest of the month of January is up, then frequently you have an up year," she said.

Ms. Yamada credited the January Effect to the general spirit of renewal that comes

"The slate is wiped clean," she said. 'Money managers are willing to take more risks then. After tax selling is over, people tend to buy into the market to start over." Investors think of smaller stocks as offering bigger risks, and therefore potentially bigger rewards - which may ex-

Now, though, the great dichotomy is not between small and big, but between com-

goods cycle.

plains why such stocks tend to move up

But just as September was exceptionally

strong, last January was oot a great month

for smaller stocks, although since that time

stocks of just about any size have done

or depended on the fortunes of such com-

panies, so the cycles in small companies

tended to move in line with the capital-

more than shares of larger companies.

those that operate primarily in their home markets. Smaller companies tend to make their money in their own back yard, while the companies that populate the Dow Jones average tend to have a much broader

Dow Jones for all months except September

Dow Jones industrial average

Dow Jones for September only

The fact that smaller companies did not Ms. Yamada suggested that the busi-nesses that small companies engage in do as well as expected this January, Ms. Yamada reasoned, shows that the best business prospects are those of internationally have changed over the years. Many smaller oriented companies. enterprises either produced capital goods Discovering that markets follow certain

seasonal patterns may actually make it more difficult for investors to make money in them.

Seasonal movements "are not pre-dictable, but they do happen," Ms. Murphy panies that do business globally versus said. Her statement reflects the fact that

markets often behave illogically once their internal logic has been figured out.

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'Once you think something is predictable and can be anticipated, the market will prove you wroog. It will eventually be discounted," she said. 'If investors become enamored of a theory that the market will go down in September, they'll sell in August.

Ms. Murphy added that investors were "always trying to anticipate change, so they will move either ahead or after the move" in the markets. "I'm not sure that people recognize [the September Effect] to the extent they should," sbe said, "but once everybody becomes aware of it, it will be less effective.'

So pretend you didn't read this.

You, Too, Can Be a Technical Analyst

By Aline Sullivan

HARTING investment patterns institutions. But increasing numcovering that a personal computer is the technical analysis.

This world is supported by two assumptions: that markets behave in ways that are predictable, and that their predictability can be encapsulated in patterns identifiable with the aid of computers. There is plenty of evidence that technical analysis works, although all approaches have their faults.

low as \$100 can help investors analyze these patterns. "Put one of these programs into your personal computer and you are a fiths, chief technical analyst at London stockbrokers James Capel & Co. "They help investors get their timing right and show the appropriate levels of support and resistance for every kind of investment."

Like Mr. Griffiths, many technical analysts are modest about their vocation. between the two are starting to blur. They stress that theirs is a more accessible

investors can understand a chart.

John Brookes, head of investment consultants Notley Information Service in Atused to be the preserve of major lanta and chairman of the New York-based International Federation of Technical Anbers of private investors are dis- alysts, or IFTA, agreed that private investors with access to a personal computer only entry they need into the world of and the right programs could participate in global markets as effectively as their professional counterparts.

"I do the same thing as everyone else," he said. "I run all the world markets through my computer and find out which I want to be in. Then I look at all the sectors in that market and then at the stocks. Then I check out the fundamentals to make sure I am not Computer programs with price tags as walking into a swinging door."

Keeping an eye on both the technical and

fundamental viewpoints is key, investors from both camps said. Anne Whitby, head technical analyst." affirmed Robin Grif- of technical analysis at London consulting group 4CAST Ltd. and chairman of Britain's Society of Technical Analysts, the British member of IFTA, believes that advocates of the two approaches respect each other more than they use to.

Indeed, some analysts say the distinctions

Fundamentalists, who argue that an asapproach to investing than the fundamen-talist method because, while not everyone anomalies in investor behavior that can

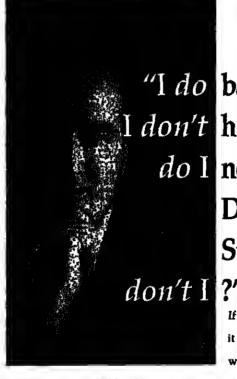
can read a balance sheet, most individual leave stocks over- or undervalued, acknowledge that a computer can help predict that behavior.

At the same time, technical analysts are abandoning many of the flasby mathematical tools that used to intimidate investors with less esoteric interests and are returning to more traditional, less complicated analysis that usually includes some fundamental considerations.

Investors need to look at both types of analysis, but they get much of what they need on the fundamental side from reading newspapers and magazines," Mr. Brookes said. "After that they want to use a technical approach to get the timing right. And that works because the chart is the final indication of where the investing public

Timing may be the greatest advantage of chart-watching, but it could also prove its undoing. Professional investors point out that the popularity of technical analysis has risen in line with the bull market and that most of the computer programs currently available were designed to help investors maximize their returns in a rising market.

These programs, they warn, could turn into big liabilities if the markets sour. However, Mr. Brookes said, "A good investor will know when it is time to get off the



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Why Investment Gurus Move Markets

By Digby Larner

THEN George Soros bought a 10 percent stake in a gold-mining company two years ago, the price of gold surged to chairman of Berkshire Hathaway, and fund manager John Templeton are in this catalysts' best expectations. Later the same year, when Mr. Soros's Quantum Fund NV suddenly enjoyed a burst of activity.

markets in spite of themselves because he is an investment guru - one of the handful of professional investors whose pearls of be very frustrating. wisdom can sometimes be more precious to analysts than the fundamentals under-

pinning the market. Gurus come in all shapes and sizes.

renown and their earning power. Like Mr. Soros, a few achieve celebrity start taking themselves too seriously." on the back of a single breathlaking act. on the back of a single oreathnaking that marks them out both as always happy with the tag. Peter Lynch, the former manager of Fidelity Investments' mayericks and as people with an intuitive

feel for market trends. British pound being devalued back in the fall of 1992 — despite the British gov-considered by many to be a guru himself.

and the pound fell. Another guru who came to prominence

October 1987. Others build their reputations over time.

gaining credibility with long and successful investment track records. Warren Buffett,

For the common herd, however, the inforged a business partnership with the U.K. fluence that gurus wield can be problembased real estate group British Land, pre-viously becalmed British property stocks with UBS in London. In many cases those we describe as gurus are people who got it Mr. Soros's actions apparently move right at least once. From then on they can

are those who initially hit the jackpot by forced the government to borrow 189 biltaking an anti-consensus position at ex-Some have guru-hood thrust upon them actly the right time. From theo on they feel while others actively seek it out, aware of obliged to keep espousing extreme and how such standing can boost both their silly views that more often than oot fail to stability of the European exchange-rate come off. The biggest danger is that they

Even those recognized as gurus are not flagship Magellan Fund, has written two Mr. Soros' most celebrated coup was books promoting the advantages he claims effectively to take a \$10 billion bet on the amateur investors have over so-called ex-

In fact, Mr. Lynch warns investors to

contradiction in terms. But no matter how influential the views just on one side or the other depending on on one action was Elaine Garzarelli, the of gurus are on the performance of in-

former Lehman Brothers analyst who cor-rectly predicted the stock market crash of them, believing that over time fundamenals will win out.

Murray Davey, a director with Kleinword Benson Investment Management in London, believes the influence gurus have on the way markets perform is ofteo exaggerated For instance, he says, the pressure brought to bear on the French franc in 1993 was thought to be the result of speculation by Mr. Soros and other big-name investors

that the franc was overvalued. Although Edouard Balladur, then prime minister of France, insisted the franc was basically sound, speculators drove it to an get it wrong a lot of the time but still make the market move, at least for a while. It can fell below its floor in the European Mooall-time low against the Deutsche mark. It etary System despite intervention by the lion francs (\$38.1 billion).

But as damaging as this appeared at the time for both the French economy and the swift recovery. "When it came down to it, the Bank of France had deeper pockets and more patience than the speculators," said

Although he admits to experiencing some "glee" when gurus fall from grace, Mr. Davey says they should not be taken too seriously. "There is a certain tendency to built people up just so they can be knocked down again," he says. "But when devaluation. The Quantum Fund reputedly regard gurus with a skeptical eye and jokingly claims that professional investment is a superscript any real faith in gurus. Sensible investors

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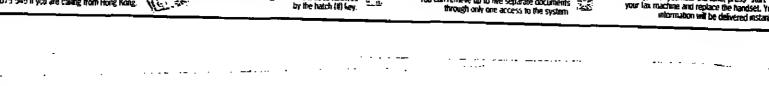
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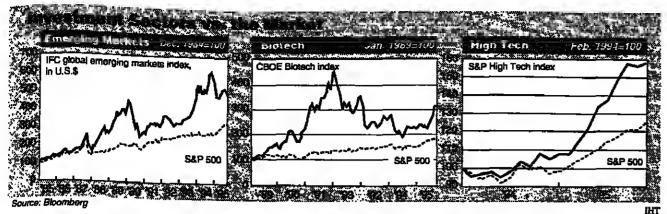
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THE MONEY REPORT



Bubbles, Manias and the Herd Instinct

By Iain Jenkins

EVEN people are sitting patiently in a doctor's office when an eighth person walks in. Without warning the seven early arrivals start to take

What does the eighth person do? The arguer, shown in university research projeas, is that after a moment's hesitation the eighth person will also probably undress.
Psychologists believe that this behavior

gives an insight into the way financial markets work. When people see others buy-ing a stock or mutual fund, they follow suit. The result is what is known as a bubble. which many people believe may be hap-pering io U.S. technology stocks today.

Understanding the psychological factors behind bubbles, or market manias, is increasingly seen as a respectable way of working out an investment strategy. It is used by George Soros, the dean of hedgefund managers. And it may be more useful than reading stock brokerage research, relying on charts, reading company reports or turning to astrology.

Bubbles are a key feature of financial markets. One took place in Japanese stocks in the late 1980s, another in biotechnology in 1990 and 1991, and yet another in emerging markets from 1993 to 1994. Investors who spot them early can make a fortune. Those who get in too late lose money because all of

these bubbles tend to burst. Tony Fraher, chief executive of Singer & Friedlander investment management in London, says: "When people see prices starting to move, they think, 'I can get rich quickly here, too,' And they can - providing they are nimble and get out before it crashes. Unfortunately, most people wait too long. Greed takes over.

Sectors suddenly become fashionable because they are in a new area with the prospects of rapid development.

The cycle goes like this: Small volumes c, initial business are usually enough to send the market racing upwards. Other investors, seeing the profits and fearing that they are missing out, join the stampede. Then comes the crash.

many years. You can tell people to buy gold cessful male guppy. It halved in value, and at \$380 today and there is no interest. In no investor worth his calculator would

1980, they were buying at \$850." Scientists like Ivo Welch, associate proessor at the Anderson Graduate School of Management at the University of California at Los Angeles, says that when a so-called mania takes place, real information is being

Understanding why people flock to certain sectors can be a good investment strategy.

ignored as the "herd instinct" takes over: People buy not because cash flow is good, or the debt-to-equity ratio is healthy, but because everyone else is buying.
''Once someone buys something, other

people don't observe the information that persuaded the first person to buy. All they see is the action and they follow the action," Mr. Welcb says.

He cites the example of an investor wbo doesn't like IBM stock. However, three friends have just bought IBM. The investor now has three positive pieces of infor-mation — the fact that his friends have bought for some reason - and one oegative piece of information, his dislike of IBM. So what does the investor do? According to Mr. Welch, he probably buys.
Scientists have found evidence of the same behavior in the animal world.

Studies on guppies illustrate that when one female guppy shows a sexual interest in a male, her attention attracts other female guppies. The result is that male guppies either get a lot of attention from females or none at all.

Biotechnology was the equivalent of a

Marc Faber, head of Marc Faber Securities in Hong Kong, says: "Once the crash takes place, the sector is finished for nology was transformed into the unsuc-

louch a biotech company Today biotechnology is back in fashion. Steven Bunting, director of Abingworth, a London firm that runs biotech funds, says: "There is no secret to making money in this area. All you have to do is buy when it is out of fashion and sell before the inevitable

The key, then, appears to be spotting the moment when the rave sector is about to crash - in other words, market timing, one of the most delicate of investing strategies. Robert Schiller, a professor at Yale University in New Haven, Connecticut, theorizes that the more a trend continues, the

more people seem to expect it to continue. He suggests that a feeling of confidence that a trend is likely to continue may be a warning sign. Mr. Schiller has been studying insti-

tutional expectations of a market crash since 1989 in the United States and Japan. Our survey showed that at the end of 1989 investors thought that there was only a 14 percent chance of a crash, the lowest the figure has ever reached. In fact, the crash was just round the corner," he says.

So what is the next thing that is just

around the corner? Mr. Faber thinks it could be the crash of IRS Cuts Down the emerging-market boom that began two years ago. As evidence: he cites Russia, a sector full of risks where shares are a bargain but buyers are few. "Everyone knows that Russian assets are cheap," he says. "So wby haven't they moved?"

As with any boom, Mr. Faber says, investors will quickly lose their taste for emerging markets once one of those markets goes sour. 'Like the boom in new issues, where all of them are successful except the last two or three," he says.

In the end, however, Mr. Faber, who has

been following market bubbles and manias for years, strikes the ultimate contrarian note. The fact that everyone is looking for successful male guppy in 1990 and 1991, the next mania, he says, might mean that it when it was a boom sector. Investors piled won't happen at all.

Fear and Loathing in Commodities

The Soybean Price Cycle

Price lange in calandar year as a % of maximum

By Conrad de Aenlle

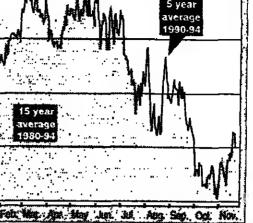
VERY year, the same drama is staged, starring the same cast of farmers and commodity speculators. And almost every year the players follow the same script: First they avidly buy corn and soybeans, and sometimes coffee, cotton and wheat. Then they sell, with the same fury, and then buy again. although less intensely.

Mother Nature may not be very predictable, but human nature doesn't change. Together. these two elements determine the prices of agricultural products, and students of the markets believe that the patterns produced are similar enough year after year that they allow profitable trades to be made consistently, in spite of -- in fact, cause of -- the volatility.

'There's always some tear' attached to commodities, observes Nick Colley, director of research for Moore Research Center, a commodities research and trading firm. "It just seems that year after

year after year, there is some nervousness that hits the markets in March, lasting often until June," says Bob Hafer, redirector at the Commodity Research Bureau.

In corn and soybeans, for instance, the fear usually is that the weather is too cold and wet during planting, then during the growing season the emphasis



are 100 hot and dry.

These concerns push prices higher, helped along by that other pillar of financial mar-keis, greed. "Everyone remem-to be harvested begins to make bers the one year in five when prices fall. there was some kind of catastrophic event that drove prices known, prices tend to start rishigher," Mr. Colley says. Farmers 'end up waiting for prices to go higher, but then it's

Once the crop has been in the round for a while, however, the prevailing belief changes: This year's output may be ad-

equate, or even bountiful. low in the last quarter of the year. Likewise, cattle prices, on put to rest and they get back to which futures contracts are also isn't wealthy." he said.

shifts to anxiety that conditions the reality that the weather wasn't as bad as they had thought," Mr. Colley explains. "The reality of the actual to be harvested begins to make

> Once the size of the crop is ing again, but this seasonal rally typically is not as pronounced as the earlier one.

Other farm products have similar cycles, but at different times of year. Conon, for instance, tends to make a low in July or August, then a second low in the last quarter of the

traded, tend to rise late in the year on uncertainty over how the winter calving season will turn out.

What is unusual about the seasonal patterns in these markets is that they happen even when many people expect them to which, of course, is not the way

markets are supposed to work. Mr. Colley attributes the phenomenon, in part, to the parlicular demands of farm life. "When prices are going up, farmers are busy as hell" with planting and harvesting, he ex-plains. "They don't have time to come in and play these mar-kets. 'As a result, he says, more than 50 percent of farmers end up selling their crops at below the annual average price.

Commodities speculators generally do not have fields to plow or harvests to gainer in, so they may be able to benefit more easily from seasonal partems. But it is not as easy as it may seem at first.

By and large, seasonals in some commodities are strong and some are weak." says Walter Spilka, a commodity analyst at Smith Barney. It depends how you measure it in the first place. Some are reliable and some aren t.

Mr. Hafer adds that some markets may follow the script to the letter 90 percent of the time or more, but traders never know decide to improvise

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But even if you're off the hook with the IRS, check with your company before you toss those receipts in the wastepaper depending on where you travina \$\text{galloo}\$, according to Windham you feel better — or worse — think again. Thailand comes the depending on where you travina \$\text{1.40}\$, which is cold comfor if you're stuck in one of Bangkok's notorious traffic

And for rock-bottom prices, you'll have to do your driving in Saudi Arabia — at 35 cents a

> The Money Report is edited by Martin Baker

Why Summer Is Good for U.K. Stocks

By Barbara Wall

'sell in May, don't come back till St. Ledger's Day" - which, in the English horse racing calendar, falls in September.

Summer is supposed to be a dreary time for stocks. However, historical data paint an altogether different picture of stock market price trends during this period.

David Schwartz, statistician quarter," he said. "In the past and author of the Schwartz couple of decades, investors Stock Market Handbook, argues that if investors followed the St. Ledger adage they would miss out on August, one of the best months for the U.K. stock

He notes that between 1919 and 1994. August prices on the Financial Times 30 index rose ic exercise, few equity strate-64 percent of the time, adding that prices were especially liketo climb if shares had been sing strongly in the 12 pre-

The August price trend may also provide insight into where prices are heading in the five months to follow. According to Mr. Schwartz's research, an August price rise of 3.57 per-cent to 10.44 percent is a clear higher through the end of Jan-

Out of 24 times with a price shift within this range, prices rose in the next five months 23 times." he said. "The single exception was 1929." There seems to be no clear

explanation as to why August is a good month to invest io U.K. There may be less bad news hitting the market at these times

and consequently less pressure

to sell with more of a bias on

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suggests Mr. Schwartz. "As trading volumes are generally down in the sum-N English adage mer months, it takes less money warns investors to to move the market. These factors combined could drive up

believes that a new trading pattern has emerged which has in-

have began to recognize a third period: the late summer rally. It cials. buying into the market early so

as not to miss this." While number crunching and graph plotting is an interesting ic exercise, few equity strate-gists set much store by historical price anomalies.

being a terrible month to invest. But if investors decided to follow historical price patterns and

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share prices. Brian O'Neill, an international fund manager with Gartmore Investments in Britain,

fluenced market activity. There are two main peak periods for investing: the end of the year and the end of the first could be that some investors are

"The problem is that the trends work in some years and not in others," Paul Walton, an equities strategist with Gold-man, Sachs & Co., said.

"May has a reputation for

pointed as the market moved up several percentage points dur-ing that month."

Path Rozan, a strategist with price up in the short term." Salomon Brothers in Britain, believes it is more instructive to analyze why one equity class is more likely to outperform another equity class at a given point in the economic cycle, rather than concentrating on

scasonal trends. This involves looking at the effects of interest-rate movements, valuations and economic growth patterns on the three main equity classes: cyclicals, defensive stocks and finan-

There are some stocks that are considered more likely than others to nutperform or underperform according to the sea-son. For instance, Mr. O'Neill said, "It is natural to assume that certain consumption stocks such as brewers and ice cream manufacturers should to do well during a long hot summer.

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ing currencies.

He added, however, that investors need to look at the bigger picture: "If the stock is fair-ly priced and the good news has already been included in the valuation, the share price may not be that heavily influenced cent to 10.44 percent is a clear sell their U.K. shares at the besignal that prices will rise even ginning of May 1995, they tions. If, on the other hand, the

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would have been very disap- stock is undervalued, a particularly hot summer might just change people's perception of the stock and drive the share

But perhaps the greatest problem with basing decisions on past probabilities is that history can cut both ways. "The loog-term historical odds favor further price rises in the U.K. market in the final four months of 1995," Mr. Schwartz said. "However, the very same longterm historical odds suggest 1996 will be a loser for U.K.

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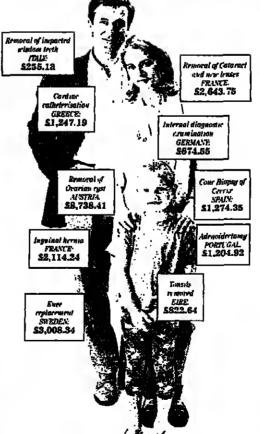
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CURRENT SCHEME: RENEWAL OATE:

stats: Packers quarterback Brett Farve is completing 68.9 percent of his passes on third down and is averaging 9.93 yards per attempt. Of the 10 touchdowns the Cowboys' defense has given up, nine have been on passes.

Comment: Last year, the Cowboys used a third string quarterback to defeat Green Bay in a shootout. Dallas will go with Wade Wilson this time because Troy Aikman is doubtful with a strained calf muscle. The Cowboys are coming off a loss at Washington.

Oddsmakers favor the Cowboys by 7 points.

JETS (1-4) at BILLS (3-1): Key stats: The

Buffalo defense has allowed just three touchdowns on the 13 trips by opponents inside its 20-yard line. Jets' defense has 18 sacks, the most in the AFC. Comment: The Bills wanted to make a point about rumors of their demise. They did it Monday night

with a last-second victory over Cleveland. The Jets are in the same position in this game. Bills by 9.
PANTHERS (0-4) at BEARS (2-2): Key stats: The Panthers have not allowed a 100-yard rusher or a 300-yard passer this season. Bears quarterback Erik Kramer has thrown 92 passes without an intercep-

Comment: Kerry Collins, the Panthers' rookie quarterback, made his first start last week and didn't do badly. He threw a touchdown and an interception in a loss to Tampa Bay. The Bears' pass rush might be a little bit more tenacious than the Bucs', and Collins might be io for rougher treatment. Jim around on the strength of a couple of good per-

Flanigan has 4.5 sacks and Alonzo Spellman has 3.5. formances by quarterback Chris Chandler. But the Giants' opponents starts at the 31-yard line. PACKERS (3-11 at COWBOYS (4-1): Key It's the kind of pressure that can rattle a young quarterback into many mistakes - enough errors to

pave the way for a Bears victory. Bears by 13.
BENGALS (2-3) at BUCCANEERS (3-2): Key stats: Of the 34 receptions by Bengals' Carl Pickens, 12 have come on third down (plus for an average 12.4 yards per catch). Tampa Bay's Errict Rhett has rushed for a touchdown in 11 of his last 13 games. Comment: Sam Wyche will coach against his former team for the first time since he was fired in 1991. It might not be a very pleasant experience. Jeff Blake signed a new multimillion contract this week,

and he'll be feeling fine for this game. Bucs by 3. PACKERS (3-1) at COWBOYS (4-1): Key stats: Packers quarterback Brett Farve is completing 68.9 perceot of his passes on third down and is averaging 9.93 yards per attempt. Of the 10 touchdowns the Cowboys' defense has given up, nine have been on passes.

Commeot: Last year, the Cowboys used a third string quarterback to defeat Green Bay in a shootout. Dallas will go with Wade Wilson this time because Troy Aikman is doubtful with a strained calf muscle. The Cowboys are coming off a loss at Washington.
They're not in a good mood. Cowboys by 7.
OILERS (2-3) at VIKINGS (2-2): Key stats: The
Oilers are holding opponents to 30.9 percent of thirddown conversions, No. 3 in the AFC. Seven different
Viking defenders have at least one intercention.

Viking defenders have at least one interception.

defense has been doing the bulk of the work. Last week it came up with three sacks and three takeaways against Jaguars. The Vikings aren't pushovers, particularly on defense. Vikings by 101/2. STEELERS (3-2) at JAGUARS (1-4): Key stats: The Steelers have thrown 14 interceptions, most in the NFL. The Jaguars' offensive line has given up 25

sacks, an average of five per game. Comment: The Jaguars are coming off their first franchise victory. The Steelers are riding high themselves, after taking San Diego apart last week.

NFL MATCHUPS

Quarterback Neil O'Donnell went back to work this week, after missing the last four games with a brokeo pinky finger on his right hand. Steelers by 11.

REDSKINS (2-3) at EAGLES (2-3): Key stats: Washington's Terry Allen is the second-leading rusher in the NFC with 461 yards on 108 carries Philadelphia's Kelvin Martin's average of 14.1 yards per punt return leads the NFC.

Commeot: Neither team has the quarterback with which it started the season. But it looks as if the backups are doing just fine. Gus Frerotte has been wooderful for the Redskins, and Rodney Peete seems to have a good grasp of the Eagles' new

offense. Eagles by 3.

CARDINALS (1-4) at GIANTS (1-4): Key Comment: The Oilers' offense is slowly coming stats: The Cardinals' defense is giving up 5.7 yards per carry (5.42 on first down). The average drive for

Comment: The Giants will have to go without running back Rodney Hampton, who has a broken hand. Rookie Tyrone Wheatley will get his first start. The Giants have won 10 of the last 11 games at

Giants Stadium against the Cards. Giants by 4.

BROWNS (3-21 at LIONS (1-3): Key stats:
Only two of Cleveland quarterback Vinny Testaverde's 12 touchdown passes have come in the fourth quarter. Detroit running back Barry Sanders is averaging just 78.5 yards per game.

Comment: The Browns are coming off a stinging loss to Buffalo on Monday night, and the Lions are coming off a bye week and a thrilling victory over

San Francisco. Browns by 3.

COLTS (2-2) at DOLPHINS (4-0): Key stats: The Colts' last six games have been decided by six or fewer points, and they're 4-2 in those games. The Dolphins' defense is holding opponents to 85 yards rushing a game, No. 2 in the AFC.

Comment: Marshall Faulk broke out of a slump of last week with 177 yards rushing against the Rams. while the Colts' defense completely shut off St. Louis's rushing attacking, limiting them to 37 yards. Faulk won't be able to run free against the Dolphins the way he did against the Rams. The Colts should be concerned with Dan Marino, who threw for 450 yards last week. Dolphins by 10.

SEAHAWKS (2-2) at RAIDERS (4-1): Key stats: The Raiders lead the NFL in points scored with

149 and have scored 40 or more points in two straight games.

Comment: Raiders quarterback Jeff Hostetler is guiding one of the league's most effective Offenses, in terms of scoring inside the opponent's 20-yard line, On the 20 trips inside the red zone, the Raiders have scored 13 TDs and seven field goals. Those numbers match what the Cowboys are doing, and they're considered a Super Bowl contender. Raiders by 9 k.
BRONCOS (2-3) at PATRIOTS (1-3): Key

stats: Denver quarterback John Elway is 6-0 versus New England in his 13-year career. New England quarterback Drew Bledsoe has attempted 149 passes but has not thrown a touchdown pass.

Comment: The Patriots are in a serious nosedive. If they don't pull up soon, their season will be in shambles. Bledsoe could come back this week from a shoulder injury. Three of Denver's starting

linebackers are out with injuries. Patriots by 2, CHARGERS (3-2) at CHIEFS (4-1): Key stats: Chargers' defense has not allowed a 100-yard rusher in 35 straight games (including playoffs). The Chiefs' average drive starts at their 31, best in the AFC.

Comment: Winner gets to stay close to Oakland Loser comes back later in the season to haum everyone else in the AFC West. Both these teams have capable offenses and solid defenses, although the Chargers' defense was stung by the Steelers last week. The difference might come in the big-play department. Chiefs quarterback Steve Bono has the edge in that department. Chiefs by 31/2.

These National Football League matchups were written by Timothy W. Smith of The New York Times. Odds were provided by Harrah's.

SIDELINES

Ex-East Star Is Top German Player

HENNEF, Germany (Reuters) - Matthias Sammer, whose soccer career nearly ended when he was caught drinking with a Western coach in former East Germany, bear World Cup star Jürgen Klinsmann to the most prestigious award in the German

The Borussia Dortmund and national team sweeper, who got into trouble with Communist GDR authorities after taking a beer with a Bundesliga trainer, was named German player of the year after a close poll with the Bayern Munich striker.

Sammer, 28, became the first former East German player to win the title, which is decided by a poll of German sports journalists, since the fall of the Berlin Wall in 1989.

Claydon Leads German Golf by One

MOTZEN, Germany (Combined Dispatches) -- Russell Claydon of England shot a course record 11-under-par 61 and took a one-stroke lead Friday after the secood round of the German Masters golf tournameot.

Claydon also was the first person to tee off, taking advantage of unimpeded fairways and windless weather to finish with a twoday total of 17-under 127. Swedeo's Anders Forsbrand shot an 8under 64 to put him ooe stroke ahead of compatriot Per-Ulrik Johanssoo, whose 66 left him at 14-under 130. Another Swede, Fredrik Lindgreo, followed at 131.

 Carl Paulson, 24, a PGA Tour rookie, shot a 10-under-par 62 to take a two-stroke lead in the Walt Disney World golf tournament in Lake Buena Vista, Florida.

Australian Rugby Coach Is Fired

SYDNEY (AP) - Bob Dwyer was fired Friday after coaching the Australian rugby union team for the past eight years and was replaced by Greg Smith, coach of the New South Wales team. Smith beat Dwyer, who led the Wallabies to the World Cup title Island coach John Connolly and Gor

Chris Hawkins in a secret ballot for the coaching position. Smith was elected by 14 delegates of the Australian Rugby Football Union. He will step down as coach of the powerful New South

Wales team, with Hawkins favored to take over that role.

Smith, 45, has coached New South Wales for the last three seasons and has a 20-9-1 record. Dwyer was Wallaby coach for a total of 10 seasons - from 1982-83 and again from 1988 - but lost the job after Australia failed to progress past the quarterfinals of this year's World Cup in South Africa.

 Australia is the odds-on favorite to win the Rugby League World Cup, which begins Saturday, with the Kangaroos given the nod to beat England in the opening game at Wembley Stadium. Australia is rated 1 to 3 to win the World Cup, with England rated at 10 to 3 by the London bookmakers Ladbrokes. New Zealand is listed at 5 to 1, followed by Wales at 25 to 1 and Western Samoa



Scottie Pippen, left, and Michael Jordan said they welcomed "Bad Boy" Dennis Rodman's on-court abilities.

2 Bulls' Muted Welcome for Rodman

The Associated Press

CHICAGO - Michael Jordan refuses to think of Dennis Rodman as a funkyhaired, tattooed time bomb. Scottie Pippen's not as sure.

The Chicago Bulls' two most important players officially welcomed their new teammate Thursday - Jordan with open arms, Pippen with crossed fingers.

"Everybody's condemning this man before he even steps onto the court," Jordan said of Rodman, who speot most of the last two seasons getting into offthe-court trouble and pulling on-the-court antics with the San Antonio Spurs.

"I believe in giving the guy an op-portunity to prove himself," Jordan said. "Maybe he's a changed guy. Maybe he understands things better than you think he does. I'm going into this situation with an open mind and oot looking for a time bomb to burst."

Pippen's endorsement — sought by Gen-eral Manager Jerry Krause and Coach Phil Jackson -- was less enthusiastic. "When I was asked about it, I said, 'If he's willing and ready to play, it'd be great. But if he's going to be a negative to us, then I don't think we

went out and got a good player. Hopefully, we can stay together as a team."

Pippen's memory of Rodman's style is clear. Pippen still has a scar on his chin. the result of a vicious shove in the back from Rodman — then the baddest of the Detroit Pistons' infamous Bad Boys — in the 1991 playoffs.

"I've pretty much put it all behind me, and I realize that we're oow teammates,

Propeo said, unconvincingly.

Has be had any meaningful conver-sations with Rodman since?

EUROPEAN INDOOR TOURNAMENT In Zurich Singles, Quarterfloots to Majoll (7), Croatio, def. Jana Novolno (1) need that because we would be taking a big step backward, "Pippen said. "I think we ably never will."

SCOREBOARD

BASEBALL

Japanese Leagues T Pct 0 .633 1 .567 1 .558

SOCCER

SPANISH FIRST DIVISION

SPANISH FIRST DIVISION
Attelitor de Madrid 2, Espanyol 1
Standings: Attelitor Modrid, 16 points; Espanyol, 15; Barcelono, 14; Compostela, 13; Belts, 12; Attleffe Billona, 11; Deportiva La Coruna, Valencia and Zaragoza, 10; Sporting Gijon and Albocete, 9; Tenerife, 8; Reci Sociedad and Ovleda, 7; Reci Madrid, Volladolid, Sevilla and Cetta, 5; Racing Santander, 4; Merida and Rayo Vallacona; 2; Salaragara. 2

DUTCH FIRST OLVISION

Feyencord Rotterdam 4. Graningen 1
Standings: Ajax Amsterdam, 2.9 points: PSV
Eindhoven, 19; Wildem II Tilburg, 18; Feyencord
Rotterdam and Groningen, 14; RKC Woohvilla,
13; Heersmeen, 12: Sporta Rotterdom, 11; NAC
Breda and Twente Einschede, 9; Roda JC
Kerkrade, Vitesse Amhem, Utrecht and Fartuna
Sittord, 8; NEC Nijmegen, 7; De Grantschap
Doetinchem, Go Ahead Eagles Deventer and
Volendam, 5.

TENNIS

SALEM OPEN

SALEM OPEN
In Knote Lumper, Mataysia
Stogles, Quarterfinats
Patrick McEnroe, U.S. def. Renzo Furian,
Holy, 7-5, 6-4, Mark Philippoussis, Australia,
def. Pupi Hourhuls, Netherlands, 6-1, 6-2;
Morcelo Rios, Chille, def. Jocco Ellingh, Netherlands, 7-5, 6-4; Crisilano Caralli, litaly, def.
Richard Kralicak, Netherlands, 6-2, 6-4,
TOULOUSE GRAND PRIX
Stagles, Quarterfinals
Cedric Plotine, France, def. Dondel Vacek,
Czech Repub. 6-4, 6-3; Marc Rosset (2),
Switzerland, def. Jared Palmer, U.S., 7-6, 7-5, 6-3.

Czech Republic, 7-6 (7-4), 3-6, 6-3; Mario

Swardt, South Africa, def. Joannette Kruge South Africa, 7-6 (7-1), 7-6 (7-4); Chanda Robi

TRANSITIONS

BASEBALL

American League
KANSAS CITY—Extended contract of Bob Boone, manager, through 1997 season, MINNESOTA—Retained Dick Such, pitchin ry Crowley, hitting coach. Announced Ron Gar-denhire will return as 1st base coach and Jeny White, 1st base coach, will be rea

MONTREAL—Designated B.J. Wallace MON plicher, for assignment,
BASKETBALL

ATLANTA—Signed Stocy Augment, guard, to 5-year contract, and Troy Brown and Mait Bullard, forwards, CHICAGO—Signed Luc Longley, center, to 3-year contract, and Randy Brown, guard.
DALLAS—Signed Lorenzo Waldams, center, to 2-year contract, and Randy Brown, guard.

to 2-year contract, and George McCloud, for DETROIT-Signed Lou Roe and Don Reld

HDUSTON—Signed Ricky Blanton, Tremaine Wingfield and Alvin Heggs, forwards, and Tony

Watson, guard. L.A. LAKERS—Re-signed Anthony Mike

MINNESOTA-Signed Doug West, guard forward, to S-year contract extension. NEW YORK—Signed Tod Allen, Jamai Faulkner and John Strickland, farwards: Greg

Butler, center and Herman Alston and Jens DRLANDO-Re-signed Dennis Scott, for word and Brian Shaw, guard. Signed David

TDRONTO—Signed Domon Sto guard, to 3-year con FOOTBALL

ARIZONA—Put Kwamie Lassiter, corner-bock on injured reserve. Signed Andre Woters,

OETROIT—Approunced retire ny Corter, wide receiver. HOCKEY

Notional Hockey League
BUFFALO—Signed Wayne Primeou, forward, to multiyear contract and Rondy Buridge,
forward, to 1-year contract. Sent Robb Slauber,
goalle, to Rochester, AHL. Walved Grant Jen-

ings defensemen. COLDRADO—Traded Steve Finn, defe man, to Tampa for 1997 4th-round draft pick. Sent Alexei Gusarov and Janne Laukkanen, de-fensemen, and Aaran Miller, right wing, to Cam-

FLDRIDA—Reassig right wing, to Spokane, WHL: Brett Harkirs, les wing, to Carolina, AHL: and Randy Molfer, de-fenseman, to Cincinnali, IHL

DENNIS THE MENACE



BOY, I'M GLAD : DON'T REALLY LOOK LIKE THIS!

JONES. DUELE SKUYH HISMAF NUCLUR

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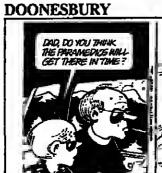










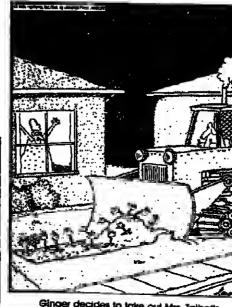












Ginger decides to take out Mrs. Taibor's flower bed once and for all

CALVIN AND HOBBES







WIZARD of ID

THE FAR SIDE



BLONDIE



Graf Faces Questions On Taxes

The Associated Press

FRANKFURT — The German tennis star Steffi Graf, who is under investigation for tax evasion, has been questioned by the state prosecutor's office for eight hours.

It was the first time that Graf has been questioned in the case since her father and manager. Peter Graf, was arrested in August for allegedly failing to re-port an estimated \$35.2 million of his daughter's earnings.

A state prosecutor. Peter Vachsung, said Steffi Graf had been questioned on Thursday in Mannheim and had been ac-companied by her Berlin-based lawyer, Peter Danckert. He confirmed on Friday,

saw no reason to issue a warrant for the arrest of the world's No. women's player. He said he expected the in-

vestigation to last at least until the end of the year.

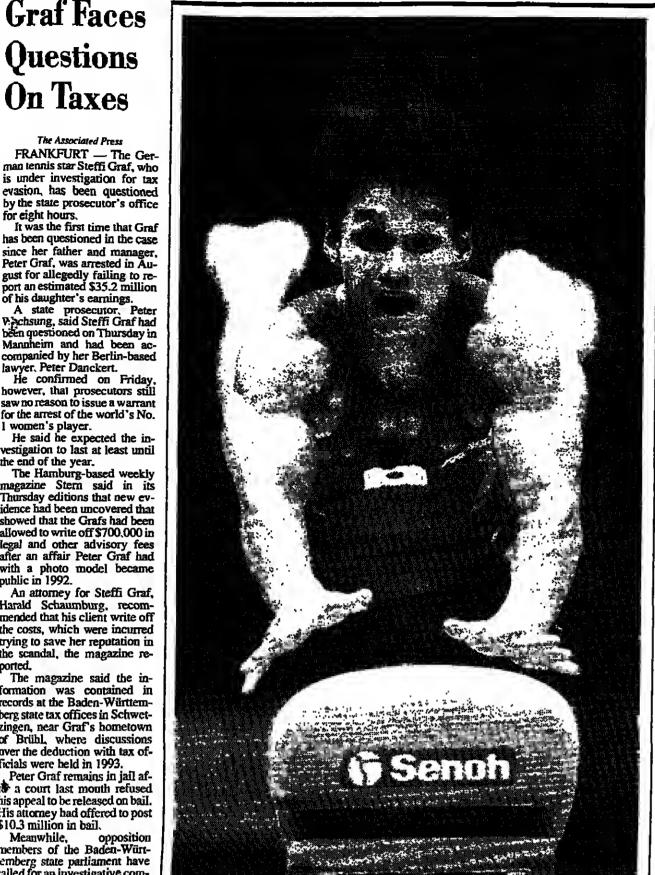
The Hamburg-based weekly magazine Stern said in its Thursday editions that new evidence had been uncovered that showed that the Grafs had been allowed to write off \$700,000 in legal and other advisory fees after an affair Peter Graf had with a photo model became public in 1992.

An attorney for Steffi Graf, Harald Schaumburg, recommended that his client write off the costs, which were incurred trying to save her reputation in the scandal, the magazine re-

The magazine said the information was contained in records at the Baden-Württemberg state tax offices in Schwetzingen, near Graf's hometown of Briihl, where discussions over the deduction with tax officials were held in 1993.

Peter Graf remains in jail afa court last mouth refused his appeal to be released on bail. His attorney had offered to post \$10.3 million in bail.

Meanwhile, members of the Baden-Württemberg state parliament have called for an investigative committee to examine allegations that the state's finance minister and tax authorities gave the Grafs preferential treatment because of Steffi Graf's status as an international tennis super-



WORLDLY VAULT — Japan's Toshiharu Sato performing Friday at the world gymnastics championships in Sabae, Japan. His team won the silver medal, behind gold-medalist China. Romania and Ukraine tied for third, sharing the bronze.

Who's Down and Out in Playoffs?

Shell-Shocked Mariners Win or Lose, 2 Managers Hope Yankees Cool Off May Soon Be Out of Jobs

By William Gildea Washington Post Service

NEW YORK - "We're down hut not out, down but not out," said Manager Lou Piniella, acting calmly as he tried to keep his Seattle Mariners' ship afloat. Hurricane Opal may be the better-known storm, but the Mariners have been rocked by fury of a different sort in the Bronx: a team overwhelming

everything in its path.

The New York Yankees have won 13 of their last 14 games, most importantly their last two to gain a commanding lead in their best-of-five first-round playoff series with the Mariners.

In a crucial, tense Game 2 that could have gone either way several times, the Yankees pre-vailed, 7-5, in the longest American League playoff game

— both in time and innings.

It tonk 5 hours 13 minutes

and 15 innings before Jim Leyritz separated the teams with a two-run homer off Tim

Ken Griffey Jr. had hit his third home run of the series to give the Mariners a 5-4 lead in the 12th, but that apparent game-winner failed to stand up when Ruben Sierra tied the score with a two-out double on which the potential winning run

who gained revenge after being hit in the face by the Mariners Randy Johnson on May 31 and being hit by reliever Bill Risley in the sixth inning, one batter after Sierra and Don Mattingly back-to-back homers. Leyritz appeared happy and tired rather than angry at the

got to give the Yankees cred-

But the Mariners were not ready to concede the series. We'll be home on Friday," said Griffey, who could take no tying three home runs. Kingdome fans will be roaring just as Yankees fans did for two games - although they're not expected to be as unruly as the Yankee Stadium faithful in the Bronx, who threw debris on the field at the Mariners and periodically ran onto the field to

tle's Tino Martinez. In the friendly, but often maligned Bobby Thomson.

By Jay Privman New York Times Service

DENVER -- The difference between

The Rockies have been left to ponder all

After rallying in the ninth to win by 7-4

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confines of the Kingdome this season, the Mariners beat the Yankees in six of seven

games. Piniella confirmed that the left-handed, flame-throwing Johnson would be on the mound for Game 3. It will be the second time this week he's pitched on three days' rest, having overwhelmed California on Monday in their AL West playoff game. As Piniella said:

People say the distance between the mound and the plate is closer at the Kingdome, and that the place is dark. It seems against Randy Johnson." Finally, the Mariners know

something about comebacks. A season-high 13 games back on Aug. 2, they staged the thirdbest comeback in major league history and the biggest in 17
years. Piniella and the 1978
Yankees were 14 games behind
Boston on July 19, and the 1951
New York Giants were 13 1/2 games behind Brooklyn on Aug. 11.

Johnson and the Seattle fans - especially Johnson - make the Mariners a favorite at least to keep the series going another

Jack McDowell will pitch for the Yankees for the first time in two weeks after hurting his back. Yankees Manager Buck was thrown out at home.

"It's the most exciting game
I've played in," said Leyritz,

at the bit to get out there," he

Piniella had hoped to win Game 2, use Belcher as his Game 3 starter and win that and have a more rested Johnson close out the Yankees in Game 4. His plans didn't work out against a team that's hot, gritty and riding along on a lot of emotion.

"It was a great baseball For two nights the wild-card game," said Piniella. "You've Yankees have resembled the great Yankees teams of Octo-

ceremonial first pitches and Jackson and Thurman Munson. "It's New York - playoff

baseball in New York," Mariners' Martinez said, with due respect. "I've never seen anything like it."

Leyritz' homer recalled another fabled playoff in New "Our fans have been great, York history. From the recep-especially of late," said Seat-tion he got at home plate, you would have thought he was

By Tom Friend New York Times Service

LOS ANGELES — A cigar was lit, a beer was half full, and a playoff series was two-thirds of the way down his pocket. Davey Johnson would prefer a World Series on his way out the door.

Across the corridor, a stove was lit, a plate of yeal was halfeaten and a playoff series was two-thirds of the way down the drain. Tommy Lasorda would prefer a World Series on his way out the door.

So, there could be a loser and that way when you're batting a loser in this Reds-Dodgers divisional playoff series. Johnson's owner will dismiss him and Lasorda's owner might retire him - no matter what hap-

pens this weekend. That's life," said Johnson, the Cincinnau manager. His Reds won by a mile in Game I and by an error in Game Now they will play host to every remaining inning of this three-of-five-game divisional series. Johnson deserves credit

for reawakening the bats of Reg-gie Sanders and Ron Gant and for reworking a paltry bullpen. But his owner, Marge Schott, has already handpicked his suc-Ray Knight, the affable for-

mer broadcaster who is friendly with Schott's pet St. Bernard, will seize Johnson's desk over the winter in what would appear to be an unnecessary transition.

Johnson's only egregious act, according to Reds employees, was his decision to live with his girlfriend last year out of wedlock. He has since married her, but the conservative with his first grandchild, and some in Schott had already branded him as an outgoing manager.

"They told me I wasn't com-back," Johnson said late Wednesday night. "In January, it was put very plain to me. But back or not is one man," La-Ididn't want everyone to get the sorda said. "And that man's idea I was some evil source. So, The club has stirred emo- I told the G.M., 'Please get me tions, trotting out Joe DiMaggio another job in the organization and Phil Rizzuto to throw out so no one thinks I'm totally brutal." Just a job I can do from joy from his AL playoff-record- keeping the outfield video board Florida so everyone wouldn't rolling with action scenes of the think even though I won my manager at the end of the 1976 likes of Mickey Mantle, Reggie division the last two years I'm not some Darth Vader."

So, Reds General Manager the Jim Bowden, for appearances, convinced Schott to slip Johnson into an irrelevant front-office job - although other clubs likely will be lining up at his condominium 10 hire him as a manager first.

"I wouldn't look good chewing tobacco in the front office, anyway," Johnson said.

He is attractive to other clubs because he could handle Dwight Gooden and Darryl Strawberry with the Mets in the 1980s and apparently has not

lost his touch. Late this season, for instance, Reds outfielders Sanders and Gant were both afflicted by head games. Each was on the verge of a 30-30 season (30 homers, 30 stolen bases), but they began swinging for the

moon and failing.

Johnson called them in and settled their nerves, and it was Sanders who — after shortstop Chad Fonville's foolish twoout throwing error Wednesday night —homered to the deepest portion of center field.

'Is there any scenario I'll be back?" Johnson asked. Even if we win the World Series? No, it's kind of cut and dried. But I'm happy for Ray. It'll be a good ballclub next spring, probably as strong a club coming into the season as I've ever had."

Lasorda's club, meanwhile, is just as loaded, and that is precisely the problem.

The Dodgers — with all of their exquisite talent — barely won the National League West, are underachieving in these playoffs and have only Hideo Nomo (who starts Friday night) between them and a Cincinnat

Lasorda is 68, cameras have caught him napping in the dugout twice this season, and owner Peter O'Malley has yet to draw up a new contract for him.

the organization believe it is finally time he learned to change diapers.
"The only guy who's going to decide whether I'm coming

name is Peter O'Malley. "If he wants me back, I

would be more than honored. If he doesn't, I'll say, 'Thanks for Lasorda was named Dodger

serving active major-league manager with the same team.

O'Malley is quiet for now, but losing Lasorda would mean no more late-night pasta dinners and no more prayers to the Big Dodger in the sky.' "He's been a fixture here for

so many years," center fielder Brett Butler said. "No more Tommy? It'd be like part of the building falling off.

THREESOMES By Nancy Nicholson Joline

| | _ |
|---------------------------|---|
| ACROSS | |
| 1 Abraham's Oscar role | |
| 6 Some Oklahomans | |

22 First name in the

23 Where drinks are not a treat

24 Trays

threesom

27 Comedic 28 As originally

29 Polynesian 30 ~_ -- Darlın (1959 song)

31 Realize \$2 Telecom giant 33 Spanish things 35 Red, white and

37 Caps for chaps 39 Composer — Carlo Menotti 40 Bad luck

45 Clint's "In the

Line of Fire

48 Assist

48 Year in Trajan's 95 Spook group 98 Old TV 101 Kind of room 51 Justice chief 52 Dwarfed tree 103 Attempts 54 Sports page abbr.

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16 Actress Richardson 17 Bomb 12 Ab --- ((ron the lopt

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66 Sweet young things of stage DuBois's sister 73 Performing Dodger manage 31 "Letting Gu" 75 See Lilli-Across 34 Maximally

78 Shaving

30 Parties

38 Implied

40 --- diem

41 Construction

42 Washroom sign

43 Begley Sr. and

44 Shuttle-service

57 "---- Dreams"

(1986 song)

61 Unpopular org. in the 70's

63 lows college

64 Legislative

65 Grind

— Park, Çolo.

52 Bloke

58 Allude

39 More like TV's

79 National capital means "military

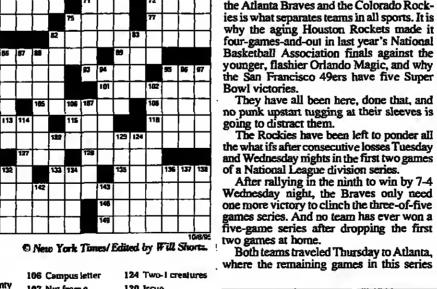
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five-game series after dropping the first two games at home. Both teams traveled Thursday to Atlanta,

where the remaining games in this series **ESCORTS & GUIDES** BELGRAVIA **ORCHIDS**

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Rockies' Raw Glare of Inexperience will be played. They are scheduled to begin Mordecai, the pinch-hitter who drove in the Friday, pending the field condition in the

wake of the hurricane earlier this week. The Rockies insist they can play with the Braves, the winner of the East Division four of the last five years, but seven innings does not a game make. In the first two games, the Braves scored the game-win-

ning run in the ninth. So, Colorado's manager, Don Baylor, can hang his head, lament, as he did Wednesday night that "the thing is we should be up 2-0 going to Atlanta." But the bottom line is that the Rockies' playoff They have all been here, done that, and

inexperience is showing. "We beat ourselves, not making plays."
Baylor said. "The history is that when they beat us, we beat ourselves.

The Braves have a vastly superior starting pitching staff, a bullpen every hit as good because of the intimidating closer Mark Wohlers and the ability to find a new hero at the plate every night.

In Game 1, it was the rookie third baseruns. In Game 2, the stars were Marquis

INTERNATIONAL CLASSIFIED

(Continued From Page 17)

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game-winning run when given the green light to swing on a 3-0 count in the ninth. In Wednesday night's loss, the Rockies battled back from a 3-0 deficit to take a 4-3

lead into the top of the ninth. But Jones led off with a double, then scored on Fred McGriff's bloop single to tie the score at 4-4.
Two outs later, Mike Devereaux singled. Mordecai then lined Darren Holmes's fastball into center field to score McGriff and give the Braves a 5-4 lead. Atlanta added its final two runs when second baseman Eric Young threw the ball away on a grounder that should have been the final out.

When the inning ended, the crowd of 50,063 booed the Rockies.

After failing to beat Greg Maddux and Tom Glavine, the Rockies now must face John Smoltz, who has been Atlanta's most reliable pitcher in the playoffs this decade.

In 10 playoff appearances, Smoltz is 5-1 with a 1.94 earned run average. The Rockies will counter Friday night with Bill man Chipper Jones, who knocked two home Swift, who was 9-3 with the Rockies this year but has a sore shoulder. Swift will Grissom, who homered twice, and Mike have surgery after the season's final out.

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UNISYS

DAVE BARRY

Look Out for Teenage Drivers

MIAMI — My son is learning to drive.
This terrifies me. He's 4 years old.
Well, okay, technically he's 15. But
Well, okay, technically he's 15. But
Well, okay, technically he's 15. But

merica) to sue you.

Whereas when your child turns 15, the ate of Florida lets him obtain a permit that lows him to drive an actual car on actual lows him to drive an actual car on actual loss of Florida lets him obtain a permit that loss of Florida le America) to sue you. state of Florida lets him obtain a permit that allows him to drive an actual car on actual roads, despite the fact that you can vividly remember when he slept on "Return of the Jedi" sheets. Of course there are restrictions: He must be accompanied by a licensed driver age 18 or over. But that does ate, and (b) more technically detailed. not reassure me. What that means to me is Kennedy.

I want tougher restrictions than that. I want the law to say that, if my son is going to drive, he must be accompanied by a licensed paramedic and at least two Supreme Court justices. Also I believe that, as a safety precaution, his car should be attached via a stout chain to a restraining a bomber. I didn't care: I had wheels. device such as the Pentagon.

It's not that I think my soo is a bad driver. He's actually a pretty GOOD driver, careful to signal his turns. That's what worries me: He'll be driving in Miami, where nobody else, including the police, does this. If Miami motorists were to see a turn signal, there's no telling how they'd react. They

could become alarmed and start shooting. And what if my son actually believes the

The driving public here apparently be-lieves that there is some kind of deadly voodoo curse on the right lane, so EV-ERYBODY drives in the left lane here, at say. Funeral Procession, and you want to pass, you have to disregard the driver's manual, risk the voodoo curse and use the manual, risk the voodoo curse and use the a good song comes on. right lane. UNLESS the driver in front of you is talking on a cellular telephone, because these people frequently receive ur- being. Please watch out for him. mandatory instructions from

from the perspective of the aging parent, there is no major difference between 4 and I.5, except that when your child is 4, his because I remember exactly how I felt motoring privileges are restricted to little when I got my driver's license, in 1963. I toy Fisher-Price vehicles containing little was a student at Pleasantville (New York) toy Fisher-Price people who are unlikely High School, where, if you were a male, (although I would not totally rule it out, in cars were EXTREMELY important. There

> would change it to read "FoNoGo." We found great wisdom in Beach Boys car songs, which are just like love songs to a woman, except they're (a) more passion-

At lunchtime we stood next to the circle that, in the eyes of the state of Florida, it is perfectly O.K. for my son to be driving around accompanied only by Ted engines. Sometimes, if we were especially

impressed with a car, we would spit.
I applied for my New York state driver's license the instant I was old enough, and the day it arrived — finally! — in the mail, I borrowed my mother's car, which was a Plymouth Valiant station wagon that could attain a top speed of 53 mph if dropped from

I drove around at random for approximately the next two years. It made oo difference to me where I was going. I was happy simply to be in motion, with the AM radio turned up loud and tuned to WABC in New York City, which would be playing, say, "He's So Fine" by the Chiffons:
He's so fine (Doo-lang doo-lang doo-

lang).
Wish he were mine (Doo-lang doo-lang

And what if my son actually beneves the official Florida state driver's manual when it says that the left lane is for passing only? Not here in Miami, it isn't!

The driving public here apparently be
The driving public here apparently be-WAS that handsome boy, not some dweeb driving his mom's Valiant. I was cool. I was DRIVING.

speeds ranging all the way from Indianapolis 500 down to Car Wash. This means that if you get behind somebody traveling at out there every chance he gets, feeling so out there every chance he gets, feeling so

Knight-Ridder Newspapers.

Be Careful, It's Mushroom Season Again

DARIS - Diderot wrote in the Encyclopédie that mushrooms should be sent back to the dung heap where they are born, but he was a rare Frenchman. When the wild mushroom season opens here, the temptatinn to show off one's knowledge and to acquire something for free is irresistible, and sometimes fatal.

'Each year there are deaths but the press doesn't talk about them any more," a member of the Societé Mycologique de France said at last Sunday's annual mushroom salon, which, suitably, is held at the Faculty of Pharmacy and attracts more visitors per square inch than the Cézanne exhibition at the Grand Palais.

The Mushroom Society has 1,800 members and in addition to the salon organizes weekend mushroom

MARY BLUME

walks in the Paris region. No longer can the Ungulina inzengae be found on the Ile Saim-Louis and specimens growing in the Tuileries are usually trampled beyond recognition, but one member said he finds mushrooms in the Luxembourg gardens — "mycologically interest-ing," he added, "but not for the frying pan."

At the salon hundreds of varieties collected by mem-bers were displayed on paper plates on which colored napkins had been laid to indicate whether the mushroom was to be eaten (green), to be thrown out (yellow) or avoided (red). Warnings abounded: "Careful! Possible Confusion." "All Truly Toxic Mushrooms Have an Excellent Taste." The higgest crowd was around the Boletus—the celebrated cepe, only three varieties of

Names are no help: the Death Trumpet is perfectly safe and the false girolle is better to eat than the true girolle, which smells of apricots. The Inky Black is edible but provokes congestion, humming in the ears and reddening of the face if the eater touches wine or hard

liquor the same day.

Amateur mycologists trust to their noses as well as their eyes although to the uninitiated the predominant smell is of old socks. It isn't easy since one expert has listed 275 identifiable odors: one mushroom is described as smelling of flour, another of rancid flour, another smells of caterpillars and yet another of old candle grease. Amanita citrina smells of raw potatoes, the lethal Amanita phalloides smells sweetly of old roses.

The Amanita family is among the trickiest: Amanita caesarea is considered one of the finest eating mushrooms but may have got its name when Agrippina served them to the Emperor Claudius, mixing in a few Amanita phalloides in a successful attempt to put her son Nero on

Amanita phalloides, the death cap mushroom, accounts for more than 90 percent of fatalities and, in

ing 80 kilograms is 50 grams, according to Jean Bourdelle's "Les Champignons," and death may occur within 24 hours. By contrast, Cortinarius orellanus takes several months to kill and a massive dose of 300 grams is required to do the deed.

Wild mushrooms may be an efficient way of unloading an unwanted mother-in-law — "The Murderer Awaits in the Woods" an old newspaper headline once read — but the chief attraction of mushroom picking. and the tiny village of Moulinet has regretfully been according to one member of the mycological society. is that they are free. Legislation on mushroom picking is disturbingly vague: Article 547 of the Civil Code states that the fruits of the earth belong to the person who owns it but a ministerial directive of 1979 advises landowners foreigner

to be tolerant of intruders. In the south of France, where passion is notoriously unbridled and where, in addition to the cepe the delicious sanguin is an autumn joy, mushroom violence is an annual event. "Aggressed By Mushroom Hunters," ran a recent headline in Nice-Matin, telling how a landowner in the Var had been beaten up on his own property, which then lead to a municipal ruling that mushroom pickers must leave an identity card and car number at the police

annual warnings about Italians who crossed the border — sometimes by taxi — to pick mushrooms that are rightfully French. Now the situation has degenerated to the point where even decent French citizens transgress obliged to take strong measures against mushroom

Residents of Moulinet may continue to forage at will hut nonresidents must buy a permit for 100 francs and foreigners must pay 400 francs. "Our aim is to eradicate professional mushroom thieves, some of whom come armed with rakes," the assistant mayor told Nice-

Mushroom police now patrol the area and arrest those whose baskets or plastic bags contain more than the authorized maximum of five kilograms. Gendames so far have seized two perpetrators each carrying 10 kilograms of sanguins, which cost about 140 francs a kilo on addition to being pleasantly fragrant, is particularly must leave an identity card and car number at the police the market. They were each fined 75 francs on the spot handsome, with a cap in subtle Armani khaki-gray and a station before setting off on their hunt. Further east, in the fresh creamy underside. A lethal dose for a man weigh- Mercantour area of the Alpes-Maritimes, there used to be prize was reduced to dust before their very eyes. the market. They were each fined 75 francs on the spot

POSTCARD

Video Film Festival: A Peek at Life in the Raw

By Stephen Holden New York Times Service

NEW YORK — Most people still tend to regard video art as either an impoverished stepchild of television and the movies or an adjunct of painting and sculp-ture. But the rebellious stepchildren in any establishment tend to be subversive.

And in engendering video art, a do-itourself form that seems invented to probe tile questions on a call-in show. life's dirtier nooks and crannics, commercial television may have created the antidote to its own high-gloss sales pitch.

Take Brian Springer's video documentary, "Spin," one of the high points of the Fourth New York Video Festival, which began Friday at the Walter Reade Theater

and continues through Oct. 14.

The documentary, which will be shown

Oct. I3 and 14, is a revealing, sometimes cinating documentary that will be shown embarrassing compilation of scenes of Sunday and Wednesday, is unguarded in a television personalities and politicians different way. Sokly (Don Bonus) Ny, the caught in unguarded moments that were film's subject, is an 18-year-old Cambotransmitted to satellite dishes.

In "Spin," you see a slippery side of Larry King as he brazenly cozies up to the 1992 presidential candidates. Par Robertson is shown receiving advice from an unseen spin doctor on how to deflect hos-

microphones, the accumulated scenes of of self-determination. spin-doctoring and power-mongering add up to a devastating critique of television's from videos that explore the beauty and profound manipulativeness in the way it

packages the news and politics.

"Aka Don Bonus," a crude but faswork sex, race and class.

WEATHER

Europe
London will be windy and
mild Sunday, rainy on Monday, then still mild with a few
showers Tuesday. Peris will
be warm and dry Sunday
wide Monday, then there will
be a couple of showers and
thunderstorms. The weather
across fally and Greece may
turn cool and wet.

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Forecast for Sunday through Tuesday, as provided by Accu-Weather.

North America
New York City and Washington, Il.C., will be dry and cool Sunday, but clouds and rain may be located just off-shore. Toronto and Chicago will be dry with o warming trend, Showers and thunderstorms will drench Florida. Vancouver and Seattle will receive showers. Los Angeles will be dry.

dian refugee, a high school student who lives with his family in a crime-plagued housing project in San Francisco.

seen spin doctor on how to deflect hose equestions on a call-in show.

Video documentary, "Jane: An Abortion shown at the Beijing festival, which is sponsored by the Utah-based Sundance women's health collective that performed Institute, founded by actor-director Robert clations in the chitchat of famous people more than 12,000 illegal abortions from Redford, and by the Chinese Film Buunknowingly caught on camera with open 1969 to 1973 conveys a powerful message reau.

iconography of landscape, geography and architecture to personal essays on love.

Latin America

PEOPLE

CHINESE officials at the Sundance Film Festival in Beijing denied that one of China's most famous film directors, Zhang Yimou, had been advised not to attend the New York Film Festival. "He's free to go anywhere he wants to," said an official of China's Film Bureau, when ilm's subject, is an 18-year-old Camboian refugee, a high school student who
ives with his family in a crime-plagued
ousing project in San Francisco.

A far more polished work that is equally

The decision not to attend.

His latest film, "Shanghai Triad," had been chosen for the opening slot at the event. "It can't be helped," Zhang told reporters when asked why he declined to go revealing is Kate Kirtz and Nell Lundy's to New York. None of his films are being

Queen Elizabeth II only suffered a mild bruise hut was that grouse really a "kamikaze" killer? So said the front page of the tabloid The Sun. In any event, the grouse did not survive and the queen did when "a shot hird spiraled from the sky on a misty morning and brushed off the Queen's shoulder," as Buckingham Palace described the event. It happened two weeks ago when the queen and her guests were walking with the shooting party at Baimoral, her Scottish estate, where she spends vacations each summer. The queen, 69, shrieked when she was hit by the hird but soon laughed it off, the newspaper

П President Clinton presented the 1995 National Medals of the Arts and the Charles Frankel Prizes to a group of the most distinguished U.S. artists, authors and performers. When Bob Hope received his award - after the president noted he was cited in the Guinness Book of Records as the world's most honored comedian - the 92-year-old entertainer broke protocol and took the microphone but there were no jokes. He just wanted to talk golf and to thank the president for joining him at a charity golf tournament early this year. Hillary Rodham Clinton vowed to help defend the arts from the congressional budget ax "no matter what."

A man convicted of stealing Marla Maples Trump's shoes and lingerie has



President Clinton and Bob Hope share a laugh during arts awards dinner.

Donald Trump's office at the Plaza Hotel. been sold for £7,650 (\$12,110), Christie's Chuck Jones, who once was Mrs. Trump's publicist, was arrested on an aggravated harassment charge, punishable by up to a year in jail. Jones said be sent a photograph of a nude Mrs. Trump only to people who had called asking for it. Trump said the photo was a body with his wife's head superimposed oo it. "He's a very sick puppy," Donald Trump said.

Luciano Pavarotti had music on his mind but everyone else wanted to know about his love life. Pavarotti, during a news conference about a weekend concert in Rome, fended off questions about his reported affair with his secretary, Nicoletta Mantovani. "Let's just talk about pure music," he said. Pavarotti's wife, Adna Veroni, has denied reports they were getting dispersed and they have been supported by the said. ting divorced and that she was trying to get

80 percent of his wealth.

auctioneers said. The poster for the White posedly unsinkahle, struck an iceberg and sank off Newfoundland in April 1912 and more than 1,500 people died. The poster was found folded in a chest in an attic in Sheffield, England, earlier this year and was bought by a British collector of memorabilia.

If Katharine Hepburn has an urge to take a nostalgic trip on the African Ouees. she won't have to go far. The famed steam-boar used in the 1951 movie "The African Queen," starring Hepburn and Humphrey Bogart, will be on the Connecticut River this month and close to Old Saybrook. where Hepburn lives. Boat owner James W. Hendricks of Key Largo. Florida, usually rents the African Queen out for more than \$3,000 hut will charge only \$20 for been arrested again, this time accused of repeatedly sending photos of her hy fax to the Titanic on its fateful maiden voyage has necticut steamboat pioneers.

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